

# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JULY 2, 1873.

## OFFICIAL PAPERS.

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### RENT OF MULBERRY LANDS.

THE following correspondence concerning the rent of mulberry lands in Bengal, is published for general information :—

*Extracts from the Reports of the Commissioners regarding Agricultural Products of their Divisions.*

THE rent for mulberry lands averages Rs. 4-8 per beegah, exclusive of "siwai" collections which are very frequent. The total expenses of cultivation average\* Rs. 20 per beegah per annum. The outturn may be put at 32 "bojahs" per beegah. Each "bojah" or bundle of leaf will fetch at least one rupee. A ryot can therefore calculate on obtaining a gross profit of Rs. 32 per beegah or a net profit of Rs. 12. He is speaking of ordinary years. There are seasons when from a mortality of the silkworms, the unfortunate cultivator can find no market for his produce. On the other hand, in very good years the price of the mulberry leaf will rise to Rs. 2 per bojah, which will give the cultivator as high a net profit as Rs. 44 per beegah. It may be supposed then that the production of mulberry leaves is a popular species of agriculture. It is checked, however, by the shortsighted rapacity of the zemindars, who not only decline to advance the ryot the prime outlay which is considerable, but demand an excessive rent for mulberry lands. The following is a too common example of this. A ryot scrapes together enough money to prepare 4 or 5 beegah for mulberry. He (the ryot) is at once called upon to pay Rs. 5 per beegah rent for land which he formerly paid perhaps Re. 1. A "khurda" of say 12 annas in the rupee, is sure to be called for before he has long enjoyed his increased profits. He throws up his hands in disgust, and the jungle claims its own. Mr. F. H. Skrine has himself seen a mulberry field, prepared at great expense, covered with jungle or maintaining crops. This is not a matter within the province of legislation, but depends a good sense of the zemindar. It is to be hoped that the progress of enlightenment has eyes to a sense of his own advantage and counteract the decline in this important which has already set in.

*Extract from a letter from the Officiating Assistant Secretary to the Government of Bengal in the Agricultural Department, to the Secretary to the Board of Revenue, No. 717, dated Calcutta, the 16th April 1873.*

4. With reference to Mr. Skrine's account of mulberry cultivation, His Honor desires that the Board will favor him with their opinion as to whether an occupancy ryot, who raises a rice field and makes it into a mulberry field, can under the law be made to pay enhanced rent on that account.

No. 288A, dated Fort William, the 31st May 1873.

From—D. J. McNEILE, Esq., Officiating Secretary to the Board of Revenue, Lower Provinces,

To—The Secretary to the Government of Bengal, Agricultural Department.

WITH reference to paragraph 4 of Government order No. 717, dated 16th ultimo, I am directed to state that, if the land when leased to the ryot, say as rice land, was fairly priced in comparison with land of a similar quality in the neighbourhood, and the ryot by expending his own capital thereon had rendered it fit for mulberry cultivation, he would not, in the opinion of the Member in charge, be liable to enhancement of rent on the ground that the land had ceased to be used as rice land, and had become available for the production of mulberries. This, however, is a question which can only be determined on its merits in a competent court.

HON'BLE V. H. SCHALCH.

#### DARJEELING MUNICIPALITY AND DISTRICT ROADS.

##### RESOLUTION.

##### FINANCIAL DEPARTMENT.

Calcutta, the 27th June 1873.

##### *Minutes of a discussion at the Shrubbery, Darjeeling, on the 31st May 1873.*

THE Lieutenant-Governor having to-day met by invitation the Municipal Commissioners and the planters of the district, and discussed these matters with them, together with the Deputy Commissioner of the district, it was agreed by a large majority, and approved by the Lieutenant-Governor, that the station municipality should be separated from the old Darjeeling hill territory now comprised in the municipality, and that the district beyond the station should be treated as other districts, the roads being managed by a District Road Committee.

2. The Lieutenant-Governor agreed that the location rents within the station should go to the municipality, and the location funds and other rents applicable to local purposes outside of the municipality, to the District Road Fund.

The station, it was understood, would comprise the Jor Bungalow Bazar, the Birch Hill, probably the crest of the Lebong spur, and the roads, &c., appertaining to the ordinary use of the station.

The Gum Pahar Forest, though beyond the station limits, will still be locally managed, and will not be made over to the Forest Department. More particular orders on this subject will be issued hereafter. The Deputy Commissioner will prepare details of management for sanction.

3. The Deputy Commissioner will, in consultation with the residents, lay down the station limits, and submit them for sanction. He will also make a proposal for the municipal police under the new adjustment.

4. The dāk bungalows, &c., on the provincial cart road, including the houses, will be made over to the District Engineer, and will be managed as attached to the road, under the Deputy Commissioner's general order. The Kurseong Punkabaree road will be made over to the District

road from Darjeeling to the Teesta will for the present be taken over as provincial road.

**SUPPLEMENT TO THE CALCUTTA GAZETTE, JULY 2, 1873.**

No.	District.	Date of return from each district.	Rainfall at Sudder station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
<b>BENGALE.—(Contd.)</b>						
<i>Central Districts.—(Contd.)</i>		1873.				
<b>RAJSHAHE DIVN.—(Contd.)</b>	12 Rajshahye	June 28th	0.10	Exceedingly hot. On three afternoons clouds gathered as for a storm, but passed over, on the first occasion after a short shower, and on subsequent days after a little thundering.	The mulberry, sugarcane, indigo, and paddy crops, are healthy, but require more rain.	
	13 Rungpore	" 28th	0.64	Very warm	More rain wanted.	
	14 Bograh	" 28th	1.0	Hot, with storms and scanty rain.	More rain is needed for everything.	
	15 Pubna	" 28th	3.24	Weather fair and very hot and close. Light rains on the 20th.	Rain is greatly wanted for all crops, but especially for indigo and aus crop.	
<b>COCH BEHAR DIVN.</b>	16 Darjeeling	" 28th	0.14	The weather has been unusually fair throughout the week.	The crops both in the hills and terai are progressing favorably.	
	17 Julpigoree	" 28th	1.24	Unusually little rain for the time of the year, and great heat.	Bhadoi and jute promise very well.	
	Cooch Behar	" 28th	5.37	Hot and sultry	Favorable.	
<i>Eastern Districts.</i>						
<b>DACCA DIVISION.</b>	18 Dacca	July 1st*	2.64	Weather very hot, with occasional storms.	Prospects of crops good. More rain wanted. Rivers very low.	
	19 Furreedpore	June 28th	0.28	Hot and close, at times intense.	Drought for this time of the year unprecedented. Rice crops, especially aus on very high lands, seriously injured from want of rain, and much anxiety felt on account of its keeping off up to so late a period. River rising gradually, but as yet not sufficiently high to flood even the low lands.	
	20 Backergunge	" 28th	0.56	Rainy	Good.	
	21 Mymensing	" 28th	3.37	Rain on four days of the week; the other days extremely hot.	There has been sufficient rain, and the crops are doing very well.	
	22 Sylhet	" 21st	6.86	Very cool	Good. Aus and kataria crops nearly all sown.	
<b>CHITTAGONG DIVISION.</b>	23 Cachar	" 21st	3.61	Cloudy, with rain	The seedlings are coming up, and the aus crop also, but there has not yet been enough rain. Tea better.	
	24 Chittagong	" 21st	12.85	Rain has fallen nearly every day, and seems to have been general over the district.	The rain has enabled the cultivators to commence field work, and ploughing is going on actively.	
	25 Noakhally	" 21st	12.09	Constant rains throughout the week.	Sowing of aus dhan completed, and that of amun dhan commenced.	
	26 Tipperah	" 28th	3.58	Rain and bright sunshine alternately at headquarters. The local reports show that rain was more frequent generally in the interior.	The weather has been very seasonable, and the results all that could be wished.	
	27 Chittagong Hill Tracts	" 21st	4.90	Rain during the whole week, with constant heavy squalls.	The prospects of joom crop are good. Cotton plants are thriving very well, as also the paddy.	
	Hill Tipperah	" 21st	6.90	Heavy rain in the beginning and latter part of the week.	The dhan sown has fairly commenced germinating. Sowing and ploughing still going on. The joom cultivation in the hills promises well.	Cholera only, kania, and fever in Bazar.

\* Telegram of the 1st July received on the next day.

SUPPLEMENT TO THE CALCUTTA GAZETTE, JULY 2, 1873.

No.	District.	Date of return from each district.	Rainfall at Sudder station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
<b>BEHAR.</b>						
1873.						
PATNA DIVISION.	28 Patna	July 1st*	0.68	Weather very hot, dry, and unseasonable.	Bhadoi crops suffering greatly from want of rain.	Cholera prevalent all over the district, though not in an epidemic form.
	29 Gya	June 28th	Nil	Unseasonably hot	Rain very much wanted. Weather altogether unseasonable.	Cholera and small-pox rife.
	30 Shahabad	" 28th	Nil	Storms in parts of the district; at head-quarters no rain, but strong hot west wind; heat intense; weather very unseasonable.	Constant irrigation required to keep sugarcane and murwa alive. Very little dhan sown as yet. Indigo being burnt up in places owing to drought and heat. Rain very much required. No return from Buxar.	Prices rising. Cholera increasing.
	31 Tirhoot	" 28th	0.08	Intensely hot	From sub-divisional reports it appears that dhan, sugarcane, indigo, cotton, murwa, mukai, and sati, are coming on well, and the prospects favorable; more rain wanted.	
	32 Sarun	" 28th	Nil	Weather extremely hot, with west wind.	Rain most urgently wanted. The moisture in the fields has dried up, and the crops on the ground are being scorched by the heat. The bhadoi and khureef sowings are for the present at a standstill.	
	33 Chumparun	" 28th	1.20	Sultry, variable winds.	There has been no rain since Saturday last. The want is beginning to be felt.	
BHAUGULPORE DIVISION.	34 Monghyr	" 28th	0.39	Weather remarkably unseasonable; hot and dry winds have been blowing for the last week; no signs of rain.	The ground is almost as dry as it was in March. At present the prospects of crops are very bad.	
	35 Bhagulpore	July 1st*	0.52	Hot week, with hot west winds.	More favorable reports of crops in the north than in the south. Rain generally wanted.	Small-pox still prevalent in Bhagulpore.
	36 Purneah	June 28th	0.11	Very hot and unseasonable; west wind up to date of report.	Rain much wanted for rice crops.	A large flight of locusts passed over on the 28th, flying west.
	37 Sonthal Pergunnahs	" 28th	0.02	Very hot and dry for the time of the year; little rain has fallen anywhere, and it is very unseasonable.	Generah, seed dhan, and other crops very backward, much remains to be sown, and those on the ground are suffering for want of rain. The generah and seed dhan which have survived the drought are in many places being destroyed by locusts.	Locusts spread over a great part of the district.
<b>ORISSA.</b>						
	38 Cuttack	July 1st	0.14	Heavy rain on the 30th June. Rain at Juggut-singapore and Jyypore sub-divisions, but none at Kendrapara.	More rain needed.	
	39 Pooree*	June 21st	1.70	Cloudy, with occasional rain.	Sarud seed, sown last week, has come up, but the seed which had come up last week is suffering from want of rain. In some places preparation for sowing is being made. Beali crop is being sown in certain places. Sugarcane being earthed up. Cotton is being gathered in some places. Khurda sub-division. —Sowing of Khurda paddy still continues. The rising of paddy crops appears flourishing. The late rain has much benefited the sugarcane. Land is under preparation for casting the seeds of the winter crops.	No case of cholera heard of.
	Balasore	" 28th	Nil	Very close and sultry. Rain much wanted.	Crops progressing favorably.	

\* Telegram of the 1st July received on the same day.



**SUPPLEMENT TO THE CALCUTTA GAZETTE, JULY 2, 1873.**

**Rainfall, Weather, and State and Prospects of the Crops.**

*showing Rainfall, Weather, State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 28th June 1873.*

District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
<b>Western Districts.</b>					
	1873.				
Burdwan	July 1st*	0.68	Weather excessively hot.	Aus dhan much injured. Rain much needed. Grain dearer.	Fever prevalent.
Bancoorah	June 28th	0.38	Very hot and little rain...	Rain much wanted. Young seedlings in some parts are dying off. The cotton crop has been good.	Locusts appeared in the north of the district.
Beerbhoom	" 28th	Nil.	Excessively hot, with dry westerly winds for the most part. Some showers of rain in the extreme east of the district.	The weather very unfavorable and prospects bad. Ploughing impossible. Tanks and wells very low.	Locusts have done some damage to rice nurseries. Cholera has abated.
Midnapore	" 28th	1.45	No rain since Sunday. Very hot and trying.	Rain much needed. If it keeps off many days more, the rice crops on all high lands will be ruined.	Cholera has again broken out in places.
Hooghly	" 28th	1.18	Excessively hot and dry; wind from south-east and south-west.	For want of rain aus dhan is in danger, and the sowing of amun dhan is also retarded for the same cause.	
Howrah	" 28th	0.15	Scorchingly hot. A slight shower of rain fell in the first part of the week in almost all parts of the district.	Prospects of boro and aus dhan crops are bad; there is very little of the former in the district. The amun seedlings that have sprung up are withering. Jute and sunn have germinated. Sugarcane is drying up. No information received as to the extent the cultivators in the vicinity of the canal have used its water for irrigation, but more amun sown in Bagnan.	
<b>Central Districts.</b>					
24-Pergunnahs	July 1st	0.34	Weather oppressively hot and rain very much needed.	Crops are reported to have suffered from want of rain in Baraset, Barrackpore, and Basseerhat sub-divisions.	General health good. Only two deaths from cholera at Basseerhat.
Nuddea	June 28th	1.01	Extremely hot and dry.	The crops have not as yet suffered much from drought; but a continuance of this weather must do mischief. No apparent signs of change.	Cholera has broken out at Birnagar.
Jessore	" 28th	2.30	Weather close and sultry. Rain at intervals. A severe thunder-storm on the 22nd June.	The prospects of indigo and general crops are good. In the north more rain wanted.	
Mooreshedabad	" 20th	0.12	Extremely hot and oppressive; a very slight rainfall on Monday; hot wind during the rest of the week.	Want of rain is severely felt and the young crop is suffering. Ploughing continues in all parts. Some crops destroyed by locusts. Particulars called for.	Two more flights of locusts passed on the 25th and 27th from south-east to north-west.
Dinagapore	" 28th	Nil.	Very damp, hot, and steamy weather, all the week.	Good. More rain wanted generally.	A large flight of locusts passed over the station towards north-west.
Maldah	" 28th	0.05	Excessively hot and dry...	Rain much wanted. The prospects of the bhadoi and amun crops are not very favorable.	On the 24th and 25th June large flights of locusts passed and repassed over the district.

\* Telegram of the 1st July received on the same day.

5. The planters seem quite willing that some cess should be put on lands for local roads; but after discussion it was deemed better for the present, looking to the difficulties of assessing the ordinary hill and terai holdings, the imperfectly developed state of the district, that the road cess should not be immediately introduced. It will be better that the planters should be urged to contribute towards particular roads by which they will benefit, such roads being made and kept up, only on condition of such contributions. For the present, the very limited road fund income will be devoted to the repairs of existing local roads, and to such new roads of a very petty and local character as the planters may contribute to.

6. The balance of the Improvement Fund and such sums as Government may grant will be held, as was formerly the case, as a reserve to be allotted to special works in the Darjeeling district under the special sanction of the Government. Money will especially be given to those roads to which the planters are willing to contribute. Orders on this subject will be issued to the Accountant-General, who will be asked to submit a statement showing exact amount at credit of this special fund.

7. The Executive Engineer will survey and report on the following roads without delay:—

A road to connect Punkabaree with the new cart-road.

A road up the valley of the Teesta from Sivok to the Teesta bridge

A road connecting the valley of the Balasan with Punkabaree by the Balasan and the trans-Balasan portion of the district with the same point.

Mr. Lloyd has handsomely promised to make the bridge over the Balasan on this road.

The Executive Engineer is also authorized to take immediate measures to open a good bridle road up the Teesta valley. For the present, this will be treated as a provincial work.

8. It was deemed to be very desirable to give up the taxation on carts in Darjeeling, as these only use the provincial roads. The Deputy Commissioner will submit this proposal.

The Lieutenant-Governor is indisposed to put tolls on the Darjeeling roads at present.

9. The subject of medical attendance for the tea gardens was discussed, and the planters showed every willingness to arrange for proper attendance. It is understood that there already is a European doctor supported by the planters for the Terai. There are several medical men in Darjeeling, and as the Civil Surgeon has many duties, the Commander-in-Chief will be asked to permit the military medical officer also to engage in private practice in the neighbouring tea gardens. The great want seems to be a medical man to practise in the hill tea gardens round Kurseong, Hope Town, &c., both to watch over the coolies and to attend on the planters, their wives and families. The Lieutenant-Governor promised that if the planters would combine to get an efficient European doctor, he would make an allowance to him, say Rs. 100 per mensem, for superintending the Kurseong dispensary and attending travellers. The Deputy Commissioner will try to arrange this. It may be a question whether Kurseong Municipality will be necessary. Perhaps if a small sum will suffice for conservancy, this had better be avoided, and a small grant might be made by Government.

District.	Date of return from each district.	Rainfall at Sadler station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
<b>CHOTA NAGPORE.</b>					
<i>South-West Frontier Agency.</i>	1873.				
41 Hazareebaugh	June 28th	0.28	Hot and sultry, with very little rain here and there.	Most uncertain. Rain much wanted. Crops sown in great peril.	Small-pox all over the district.
42 Lohardugga	" 28th	0.12	Sultry and hot	The sowings are going on in Chota Nagpore, but rain is anxiously looked for. In Palamou great fears are entertained as to the prospects, if rain does not come shortly.	
43 Singhbhum	" 21st	1.43	Seasonable, but more rain required.	Satisfactory generally.	
44 Maunbhum	" 28th	0.28	A few partial and slight showers of rain.	The crops on the ground are suffering very much for want of rain, and unless the regular rains set in within the next week, the result will be, it is feared, disastrous.	Cholera and small-pox still prevailing.
<b>ASSAM AND ADJACENT HILLS.</b>					
45 Goalparah	" 21st	2.87	Wet and cool. Scarcely a day passed without rain.	Prospect of crops good. Reaping of early aus dhan has commenced in some places.	Public health good. Cholera and small-pox almost disappeared.
46 Kamroop	" 30th*	0.21	Weather hazy and hot, with occasional cool winds.	Aus crop being reaped. Prospects of tea, cotton, and sugarcane crops, favorable. Halsee dhan being sown in nurseries.	Public health good.
47 Durrung	" 21st	5.84	Temperature high; little breeze; constant rains, with heavy fogs.	Ploughing going on. Planters complain they can get no sun to dry tea leaf.	Cholera reported in the eastern part of the district. Fever prevalent.
48 Nowgong	" 21st	5.35	Cloudy, squally, and rainy, during the whole week.	The weather is favorable to the aus dhan crop, which is doing well, as also the hao dhan. Tea operations progressing favorably.	Some cases of cholera in the Jagee thanah. A few deaths from cattle murrain.
49 Seebsaugor	" 21st	5.10	Fair days, with cloudy ones alternately. One or two short heavy rain-storms, with lightning and thunder.	The sowings for the rice crops are being pushed on, good rain having now fallen. Tea doing well.	Cattle disease still prevalent.
50 Luckimpore	" 21st	4.93	The whole week was cloudy and wet. Rain fell every day. North Luckimpore.—Rain; throughout the week cool and cloudy.	Prospects of crops good.	Cholera still occurring here and there. General health of district good.
51 Naga Hills	" 14th	1.68	Rain general throughout the district. Dense fogs in the station, often lasting throughout the day.	The late showers have done much good, and the prospects are improving.	
52 Khasi & Jynteah Hills	" 21st	5.64	Heavy rain has fallen throughout the hills.	The crops are coming on well. The rain has done much good, and early potatoes of good quality are already in the market.	Cholera still prevails at Cheera, and on the road from Shillong to Gowhatti; but it is on the decrease.
53 Garo Hills	" 21st	17.32	Very wet week; continued rain. 21st less rain, but a good deal of wind.	The weather has been seasonable, and the rain has done the crops much good. The dhan looks very promising.	

\* Telegram of the 30th June received on the 1st July.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 1st July 1873.R. KNIGHT,  
Asst. Secy. to the Govt. of Bengal.

## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISION.	DISTRICT.	STATION.	Rain from 8th to 14th June 1873.	Rain from 15th to 21st June 1873.	RAIN FROM 1ST JANUARY 1873.		REMARKS.
					Inches.	Up to date.	
BENGAL.							
BURDWAN.	WESTERN DISTRICTS.		Inches.	Inches.	Inches.	1873.	
	Burdwan	Burdwan	0.78	2.80	14.51	21st June.	
		Cutwa	0.10	2.10	12.31	ditto.	
		Culina	Nil	0.82	8.00	ditto.	
		Rood-Rood	Nil	1.64	11.72	ditto.	
		Ranecungra	0.01	2.78	8.27	ditto.	
	Ranecorah	Jehanabad	0.32	0.23	7.24	ditto.	
		Ranecorah	0.10	1.35	12.01	ditto.	
		Sooree	0.10	1.27	6.40	ditto.	
	Midnapore	Midnapore	0.59	1.96	15.04	ditto.	
		Tumlook	0.86	0.04	8.86	ditto.	
		Gurbetta	0.64	0.70	10.64	ditto.	
	Hooghly	Contal ... { Dy. Collr.'s Office	0.60	2.32	7.99	ditto.	
		... { Mco. Engr.'s Office	0.63	2.72	10.32	ditto.	
		Hooghly	1.73	0.31	10.73	ditto.	
	Howrah	Serampore	1.84	0.27	16.00	ditto.	
	Howrah	Howrah	2.05	0.71	10.60	ditto.	
PRESIDENT.	CENTRAL DISTRICTS.						
	24-Pargunnahs	Saugor Island	0.70	1.20	8.63	ditto.	
		Calcutta	2.50	0.90	10.72	ditto.	
		Alipore... { Dispensary	2.55	1.13	10.53	ditto.	
		... { Jail	2.30	0.05	9.54	ditto.	
		Busseerhaut	1.38	4.41	11.32	ditto.	
		Baraset	0.29	1.00	6.40	ditto.	
		Diamond Harbour	2.30	0.21	9.26	ditto.	
		Barripara	1.22	1.23	12.78	ditto.	
		Ratkhernah	1.72	4.12	14.19	ditto.	
		Barrackpore	1.81	0.23	16.22	ditto.	
	Nuddea	Dum-Dum	1.14	1.00	9.23	ditto.	
		Kishninghur	1.50	0.35	11.27	ditto.	
		Hongkong	3.08	2.80	11.40	ditto.	
		Meherpore	0.68	1.86	11.00	ditto.	
		Choodanagah	0.81	0.05	11.23	ditto.	
		Kooshtea	0.40	0.45	11.72	ditto.	
		Ranaghat	2.13	Not rec.	7.93	14th June.	
		Jessore	0.21	5.54	15.23	21st June.	
		Nurail	1.39	4.47	18.81	ditto.	
		Khoolnash	1.50	6.30	21.42	ditto.	
	Jessore	Jenidah	0.80	2.61	12.48	ditto.	
		Bachirant	1.07	4.24	18.17	ditto.	
		Magoorah	0.70	2.97	14.03	ditto.	
		Berhampore	0.20	1.56	6.08	ditto.	
		Ramporehaut	0.40	1.35	5.25	ditto.	
	Moorshedabad	City Moorshedabad	0.15	0.86	3.67	ditto.	
		Jumripore	1.23	1.05	7.20	ditto.	
		Arimkunge	0.50	0.90	5.49	ditto.	
		Lalgolla	0.74	1.32	6.20	ditto.	
		Dinagore	0.80	6.37	20.35	ditto.	
RAJSHAHY.	Dinagore	Maldah	2.32	0.40	0.20	ditto.	
		Beanleah	1.37	1.63	9.26	ditto.	
		Nattore	0.23	4.21	14.14	ditto.	
		Rungpore	2.12	7.62	22.05	ditto.	
		Bhowanigunge	4.26	9.78	19.76	ditto.	
	Rajshahye	Titalya	17.22	3.38	32.16	ditto.	
		Bograh	2.07	1.30	11.67	ditto.	
		Pubna	3.54	1.10	17.22	ditto.	
	Borajunge	Borajunge	Not rec.	1.23	9.99	ditto.	Not received 8th to 14th June.
	COOCH BEHAR.	Darjeeling	Darjeeling { Telegraph Office	ditto	Not rec.	14.80	31st May.
			... { Hospital	5.20	7.42	23.16	21st June.
		Julpigoree	Julpigoree	21.23	2.06	38.19	ditto.
			Falacotta	20.93	7.24	50.80	ditto.
		Cooch Behar Tributary State	Bodah	11.10	5.43	20.98	ditto.
NAGAL.	EASTERN DISTRICTS.						
	Dacca	Dacca { Telegraph Office	1.33	3.28	23.17	ditto.	
		... { Hospital	0.00	5.41	17.24	ditto.	
		Moonshagunge	1.29	2.63	21.29	ditto.	
	Farrukpore	Manickgunge	1.50	1.80	14.63	ditto.	
		Furzedpore	0.77	1.33	20.07	ditto.	
		Goalundo	0.90	2.33	24.08	ditto.	
	Backergunge	Burrisaul	1.33	3.08	16.34	ditto.	
		Perzepore	0.27	4.09	18.33	ditto.	
		Madaripore	1.43	2.65	22.12	ditto.	
		Patookhally	4.15	5.24	33.17	ditto.	
	Mymensing	Dowlat Khan	0.75	4.28	19.03	ditto.	
		Mymensing	3.90	9.02	26.50	ditto.	
		Jamulpore	0.00	5.29	19.34	ditto.	
	Sylhet	Atteah	0.55	3.17	14.14	ditto.	
		Kishoregunge	2.73	9.00	26.25	ditto.	
		Sylhet	0.10	6.34	37.51	ditto.	
	Cachar	Cachar	8.99	3.61	42.05	ditto.	
		Hylakandy	0.13	Not rec.	33.31	14th June.	
		Koyah	9.63	3.00	31.00	21st June.	
CHITTAGONG.	Chittagong	Chittagong { Telegraph Office	10.10	7.30	28.90	ditto.	
		... { Jail	11.63	7.44	31.25	ditto.	
		Cox's Bazar	5.05	20.20	47.05	ditto.	
	Noakhally	Noakhally	1.45	12.16	39.93	ditto.	
		Comillah	0.84	10.87	28.13	ditto.	
		Brahmanbariah	2.40	9.43	31.17	ditto.	
	Hill Tipperah	Chittagong Hill Tracts	5.19	6.10	28.28	ditto.	
		Hill Tipperah	1.03	6.30	23.32	ditto.	



DIVISION.	DISTRICT.	STATION.	Rain from 8th to 14th June 1873.	Rain from 15th to 21st June 1873.	RAIN FROM 1st JANUARY 1873.		REMARKS.	
					Inches.	Up to date.		
BEHAR.								
PATNA.	Patna	Patna	1.78	0.05	4.03	21st June.		
		Behar	0.96	1.44	3.67	ditto.		
		Barh	Not rec.	Not rec.	1.45	7th June.		
		Dinapore { Jail Cantonment	1.50	1.50	4.03	21st June.		
	Gya	Gya	0.50	2.00	3.06	ditto.		
		Nowadah	0.03	0.50	2.09	ditto.		
		Arunnabad	0.31	0.71	2.36	ditto.		
		Jehanabad	Nil	0.32	2.58	ditto.		
	Shahabad	Jehanabad	1.47	1.23	4.05	ditto.		
		Ayrah	1.50	0.50	3.94	ditto.		
Sasaram		1.42	0.07	2.82	ditto.			
Huzar		0.70	0.40	2.53	ditto.			
BHAUGULPORE.	Tirhoot	Bimbooh	Nil	0.02	0.07	ditto.		
		Mozufferpore	2.14	1.85	8.20	ditto.		
		Durbhangah	1.51	2.33	6.35	ditto.		
		Hajipore	2.07	2.64	6.94	ditto.		
	Barun	Mudhubani	3.43	0.05	5.49	ditto.		
		Seetamaroo	4.40	4.03	12.70	ditto.		
		Tajpore	2.50	2.40	9.12	ditto.		
		Chuprah	1.15	Not rec.	4.17	14th June.		
	Chumparun	Rewan	1.08	ditto.	4.58	ditto.		
		Moteehari	3.95	3.65	13.40	21st June.		
Bettiah		1.70	3.21	19.16	ditto.			
Monghyr		1.50	0.82	5.79	ditto.			
ORISSA.	Monghyr	Hogoonral	1.13	0.50	4.09	ditto.		
		Jamoolie	0.90	1.52	4.55	ditto.		
		Bhaugulpore	3.36	1.35	6.58	ditto.		
		Soopool	2.25	2.19	7.57	ditto.		
	Bhaugulpore	Mudhagpoorah	3.97	1.45	8.59	ditto.		
		Danka	2.53	2.55	8.58	ditto.		
		Sauburua	2.44	Not rec.	6.50	14th June.		
		Purneah	0.66	0.08	11.53	21st June.		
	Purneah	Kishenrango	3.55	4.82	12.12	ditto.		
		Arareah	4.98	0.20	19.90	ditto.		
Dagchur		0.04	0.25	6.02	ditto.			
Jamtara		Not rec.	Not rec.	0.94	31st May.			
Southal Pergunnahs	Rajmahal	0.11	1.12	3.65	21st June.			
	Pakour	0.77	0.49	2.63	ditto.			
	Nya-Doomka	1.37	0.03	9.11	ditto.			
	Goddah	1.26	1.40	7.13	ditto.			
CHOTA NAGPORE.	Cuttack	Cuttack { Telegraph Office Hospital	1.10	0.90	6.79	ditto.		
		Jalipore	1.20	1.13	7.82	ditto.		
		Kendrapara	0.50	1.50	10.05	ditto.		
		Jugatsingpore	0.00	3.00	12.70	ditto.		
	Pooree	Pulse Point	0.70	1.02	5.73	ditto.		
		Pooree	1.00	1.00	7.75	ditto.		
		Pooree	0.93	1.47	5.65	ditto.		
		Khurdah	0.65	1.77	5.81	ditto.		
	Balasore	Balasore	2.59	0.03	10.47	ditto.		
		Bhuddruck	0.50	0.40	6.02	ditto.		
Jellapore		2.45	1.58	6.04	ditto.			
Sorah		0.70	2.40	8.57	ditto.			
SOUTH-WESTERN FRONTIER AGENCY.	Cuttack Tributary	Chandbally	0.70	1.30	8.57	ditto.		
		Mehals	Sambalpoore	Not rec.	Not rec.	2.10	7th June.	
		CHOTA NAGPORE.	Hazareebaugh { Jail Dispensary	0.33	1.20	3.16	21st June.	
			Pachumba	0.20	0.75	3.50	ditto.	
	Lohardighah		0.10	1.50	5.28	ditto.		
	Ranches		1.16	0.08	4.55	ditto.		
	Bugbhoom	Palamow	1.44	0.02	4.25	ditto.		
		Chyebassa	1.76	1.31	10.12	ditto.		
		Parulla	0.05	0.55	6.74	ditto.		
		Mounbhoon	Gobindpore	0.70	0.95	5.45	ditto.	
ANSAM & ADJACENT HILLS.	Goalparah	Goalparah	12.72	2.87	41.00	ditto.		
		Dhoozee	11.20	13.40	44.12	ditto.		
		Gowhaty	5.16	2.84	26.54	ditto.		
		Burpottah	6.01	Not rec.	28.27	14th June.		
	Durrang	Tespor	4.58	ditto.	24.25	ditto.		
		Mungledye	4.23	ditto.	20.05	ditto.		
		Nowgong	2.05	6.01	31.10	21st June.		
		Seohaugor	1.05	Not rec.	33.03	14th June.		
	Seohaugor	Golachai	2.22	ditto.	23.22	ditto.		
		Jorehaut	1.70	ditto.	19.65	ditto.		
Naseerah		Not rec.	ditto.	23.45	7th June.			
GAROHILLS.		Luckimpore	Debrooghur	4.48	ditto.	33.42	14th June.	
	North Luckimpore		9.74	ditto.	29.54	ditto.		
	Suddya		4.41	ditto.	33.33	ditto.		
	Samoooodding		3.68	ditto.	16.25	ditto.		
	Khasi and Jynteah Hills.	Shillong	2.08	ditto.	19.12	ditto.		
		Jacowaf	13.85	ditto.	39.00	ditto.		
		Cherrapuntee	4.71	ditto.	106.07	ditto.		
		Tura	3.20	17.32	42.08	21st June.		
	GAROHILLS.	Benares	Nil.	0.30	0.83	ditto.		
		Akyab	15.70	11.70	63.60	ditto.		
							Not received 27th April & 20th May.	

CALCUTTA,  
The 25th June 1873.

H. E. BLANFORD,  
Meteorological Reporter to the Govt. of Bengal.

## Meteorological Telegraphic Report for the period 22nd to 28th June 1873.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea level.	THERMOMETER.		Humidity Sat. =100.	WIND.		Rain.	Clouds.	Weather initials.	
					Dry.	Wet.		Direction.	Velocity.				
CALCUTTA.	June												
	22nd	10	29.517	29.535	83.0	85.7	79	S W	...	...	C		
	16	29.430	29.448	82.0	84.8	55	S	...	...	...	S		
	23rd	10	29.577	29.595	87.8	80.0	69	S	...	0.08	C, CK		
	16	29.501	29.519	85.0	84.0	61	S	...	...	...	C		
	24th	10	29.580	29.598	91.6	84.5	73	W S W	...	...	C		
	16	29.408	29.510	84.5	84.8	64	S W	...	...	...	S		
	25th	10	29.554	29.572	91.5	84.5	73	S by E	...	...	S, CK		
	16	29.407	29.485	90.0	81.5	46	N W	...	...	...	C, CK		
	26th	10	29.513	29.531	94.0	82.2	58	N by W	...	...	CS		
SARONG ISLAND.	16	29.414	29.432	102.3	82.8	41	S by W	...	...	...	C		
	27th	10	29.538	29.556	95.2	83.6	59	S by W	...	...	CS		
	16	29.438	29.456	102.8	83.6	42	S	...	...	...	...	b	
	28th	10	29.583	29.601	94.0	84.5	65	S	...	...	CK		
	16	29.457	29.475	98.5	88.0	58	S	...	...	...	SK		
	29nd	10	29.535	29.551	93	86	74	S W	8.5	...	N	b, m, scuds.	
	16	29.440	29.458	91	86	80	S	11.4	...	...	N	b, m, scuds.	
	23rd	10	29.579	29.595	89	82	73	N N E	11.2	0.60	N	b, m, scuds.	
	16	29.528	29.539	87	85	91	S E	8.6	...	...	C	b, m	
	24th	10	29.603	29.609	91	84	78	N N W	8.8	...	N	b, m	
CHITABONG.	16	29.612	29.618	92	85	73	S	7.1	...	...	C	b, m	
	25th	10	29.559	29.565	94	85	67	S W	6.7	...	C	b, m	
	16	29.493	29.499	95	88	68	S	6.8	...	...	C	b, m	
	26th	10	29.545	29.551	93	86	74	S S W	13.7	...	CK	b	
	16	29.489	29.475	94	88	77	S	13.3	...	...	C	b	
	27th	10	29.570	29.576	94	85	67	S	13.9	...	N	b	
	16	29.452	29.488	92	86	77	S	12.8	...	...	...	b	
	28th	10	29.606	29.611	92	87	80	S	10.0	...	C	b	
	16	29.509	29.515	92	85	73	S S E	11.9	...	...	N	b scuds.	
	29nd	10	29.547	29.559	84	80	83	S S E	5.9	...	KS	u g	
MADRAS.	16	29.440	29.538	86	82	83	S W	12.6	...	...	K, KS	c	
	23rd	10	29.558	29.610	87	82	79	E S E	3.7	...	K, CK	m	
	16	29.474	29.565	88	83	80	W S W	6.3	...	...	C	m	
	24th	10	29.573	29.604	90	83	73	S	5.2	...	CK, K	m	
	16	29.491	29.582	89	83	78	S S W	7.7	...	...	K, KS	m	
	25th	10	29.568	29.658	83	77	75	N E	4.8	1.70	CK, KS, C	c	
	16	29.480	29.581	85	80	79	S	6.5	...	...	CK, KS	m	
	26th	10	29.639	29.631	86	82	83	S E	5.7	...	K, KS	m	
	16	29.476	29.568	86	83	87	S S W	13.3	...	...	K, KS	b, m	
	27th	10	29.578	29.670	86	89	83	E S E	7.0	...	K, KS	b, m	
CUTTACK.	16	29.471	29.562	89	82	76	S	12.1	...	...	...	b, m	
	28th	10	29.598	29.690	85	81	83	S E	6.9	...	K, KS	m	
	16	29.511	29.602	90	84	76	S W	8.2	...	...	K, CK	b, m	
	29nd	10	29.723	29.752	94	75	38	W N W	14	...	...	cloudy.	
	16	29.613	29.613	92	77	42	S E by E	13	...	...	...	c	
	22nd	10	29.715	29.745	95	74	38	W by N	14	...	...	c	
	16	29.608	29.638	89	78	59	S S E	12	...	...	...	c	
	23rd	10	29.734	29.738	96	75	34	W by N	13	...	...	c	
	16	29.647	29.677	90	79	59	E by S	9	...	...	...	c	
	24th	10	29.795	29.815	93	76	43	W	13	0.01	...	cloudy.	
ARAB.	16	29.670	29.700	87	77	61	S S W	11	0.03	...	cloudy.		
	25th	10	29.752	29.785	88	76	55	W	12	0.80	...	c	
	16	29.633	29.669	90	73	36	W by N	10	...	...	c		
	26th	10	29.760	29.780	91	75	44	W by N	15	8.08	...	b, c	
	16	29.634	29.654	90	79	59	S	13	...	...	c		
	27th	10	29.723	29.768	92	75	42	W by N	13	...	...	b, c.	
	16	29.606	29.636	90	79	59	S S E	13	...	...	...		
	29nd	10	29.474	29.555	94	82	58	W	2.8	...	CS		
	16	29.368	29.439	100	81	41	W	3.7	...	...	CK, KS	m	
	23rd	10	29.527	29.615	91	81	63	W N W	10.2	...	C		
CUTTACK.	16	29.416	29.497	102	80	35	W N W	4.1	...	...	C		
	24th	10	29.535	29.615	90	76	42	W S W	2.0	...	...	b	
	16	29.328	29.409	98	79	40	S	6.8	...	...	CS, KS		
	25th	10	29.476	29.557	97	79	42	W S W	2.7	...	C	b	
	16	29.393	29.474	103	78	29	N N W	5.8	...	...	CK	b	
	26th	10	29.478	29.559	99	78	36	W S W	2.3	...	CS	m, b	
	16	29.381	29.462	102	79	33	W	6.2	...	...	CK	b	
	27th	10	29.491	29.572	98	78	38	W	3.9	...	C	b	
	16	29.388	29.469	104	79	30	W	4.8	...	...	CK	b	
	28th	10	29.524	29.605	95	80	43	N W	6.8	...	C, K	b	
ARAB.	16	29.428	29.509	95	80	49	S W	4.2	...	...	K, N	w	
	29nd	10	29.615	29.636	83	79	68	S E	0.2	...	...	b, g	
	16	29.510	29.541	77	76	95	S W	1.0	2.10	...	...	b, g	
	23rd	10	29.623	29.650	82	79	87	S E	0.3	...	...	b	
	16	29.541	29.562	85	82	87	S W	4.1	...	...	...	b	
	24th	10	29.670	29.692	82	78	82	E	1.0	0.20	...	b	
	16	29.569	29.590	85	82	87	S W	3.0	...	...	...	b	
	25th	10	29.674	29.695	75	74	95	S W	1.0	0.40	...	b	
	16	29.580	29.602	81	77	82	S	0.1	0.10	...	...	b	
	26th	10	29.643	29.680	77	76	95	E S E	1.3	2.10	...	b, f	
ARAB.	16	29.670	29.698	79	78	95	S E	0.8	0.80	...	...	b, f	
	27th	10	29.677	29.698	83	81	91	E S E	1.2	...	...	b	
	16	29.670	29.691	86	82	83	S	2.3	...	...	...	b	
	28th	10	29.609	29.629	86	88	67	S S E	0.6	...	...	b	
ARAB.	16	29.553	29.573	89	88	76	W S W	2.1	...	...	...	b	

\* Velocity of wind is miles per hour.

## Abstract of Observations as received in the Meteorological Reporter's Office, Calcutta,

DURING THE MONTH OF APRIL 1873.

N.B.—The barometric data are reduced for temperature, and not for height, above sea level.

STATIONS.	Height above sea level.	BAROMETER.				RADIATION.				TEMPERATURE OF AIR.										HUMIDITY.				RAINFALL.			
		Mean of day.				Solar.				Gross Nocturnal.				Mean of day.				Mean of day.				Mean of day.				In inches.	No. of days.
		4 hours.	10 hours.	16 hours.	24 hours.	Range.	Mean.	Max.	Min.	Day.	Min.	Day.	Mean.	4 hours.	10 hours.	16 hours.	24 hours.	4 hours.	10 hours.	16 hours.	24 hours.	4 hours.	10 hours.	16 hours.	24 hours.		
		Mean.	Mean.	Mean.	Mean.	Mean.	Mean.	Mean.	Mean.	Mean.	Mean.	Mean.	Mean.	Mean.	Mean.	Mean.	Mean.	Mean.	Mean.	Mean.	Mean.	Mean.	Mean.	Mean.	Mean.		
Port Blair	0	29.757	29.810	29.735	...	1.05	151.3	27th	159.0	...	...	...	80.4	11.8	78.8	83.7	...	87.4	89.1	87.4	89.1	...	73	66	...	1.33	3
Madras	37	29.706	29.758	29.739	...	1.28	111.6	5th	117.5	...	...	...	81.7	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Visakhapatnam	31	29.709	29.736	29.711	29.789	1.18	115.4	28th	178.0	6th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Akyab	21	29.694	29.735	29.733	29.831	1.13	115.4	28th	178.0	6th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Paleo Point	18.7	29.750	29.749	29.703	29.783	1.13	115.4	28th	178.0	6th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Port Blair	80	29.674	29.692	29.743	29.789	1.13	115.4	28th	178.0	6th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Langor Island	6	29.755	29.716	29.719	29.769	1.14	115.4	19th	154.8	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Chittagong	90	29.747	29.735	29.694	29.692	1.12	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Calcutta	18.1	29.731	29.730	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Ceylon	80	29.726	29.710	29.708	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Dacca	86	29.734	29.728	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bihar	58.31	29.727	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87.3	84.1	87.3	...	59	60	...	1.37	2
Bahar	30.14	29.767	29.707	29.692	29.748	1.11	140.5	16th	153.0	7th	...	...	89.6	4.8	83.8	80.2	...	84.1	87								

*Mean pressures and temperatures of the preceding table reduced to sea level, with anemometric results and observations of sky serenity.*

STATIONS.	Mean barometric pressure reduced to sea level.	Mean temperature reduced to sea level.	WIND.										Percentage and Resultant.	Mean velocity.	Mean serenity.
			North.	North-East.	East.	South-East.	South.	South-West.	West.	North-West.	Calm.				
Port Blair.	29.790	83.9	...	5	4	13	...	14	8	16	...	22 S, 71° W	...	7.15	
Madras	29.822	84.8	1	4	11	25	12	6	1	...	...	46 S, 41 E	25.0	...	
Vizagapatam	29.797	86.3	...	6	14	15	22	12	40	5	...	37 S, 41 W	125.0	6.53	
Akyab	29.827	84.3	1	2	6	4	13	19	30	6	...	57 S, 64 W	134.3	6.86	
Falac Point	29.778	83.1	1	4	3	3	14	87	3	...	6	77 S, 37 W	...	...	
Cuttack	29.760	80.0	...	4	3	8	53	85	3	1	12	69 S, 12 W	130.9	7.41	
Saugor Island	29.761	83.5	3	2	6	7	52	40	2	1	...	74 S, 16 W	361.0	3.03	
Chittagong	29.840	81.6	7	7	13	20	22	27	13	8	...	33 S, 9 W	183.5	6.08	
Calcutta	29.753	84.1	1	5	5	9	61	30	3	3	...	23 S, 8 W	223.1	...	
Jessore	29.743	83.4	2	2	4	14	53	28	4	6	8	61 S, 9 W	125.4	6.31	
Dacca	29.770	81.7	6	12	3	15	50	21	...	...	...	60 S, 6 E	178.0	6.16	
Silchar	29.819	77.5	11	24	25	9	3	9	13	15	11	94 N, 30 E	87.7	6.26	
Hazareebagh	29.710	92.5	8	5	5	9	8	9	11	35	...	35 N, 60 W	171.2	8.41	
Berhampore	29.728	86.0	3	12	11	19	25	20	8	4	16	33 S, 12 E	118.8	6.82	
Gya	Not recd.	...	...	...	...	...	...	...	...	...	...	...	...	...	
Patna	Not recd.	...	...	...	...	...	...	...	...	...	...	...	...	...	
Bonghyr	29.715	85.1	7	25	47	3	2	9	10	5	10	42 N, 69 E	108.3	8.21	
Darjeeling	...	...	...	...	24	10	10	11	43	20	2	30 S, 72 W	...	4.07	
Gowalparah	29.812	75.6	7	3	20	20	22	13	6	4	...	40 S, 40 E	160.4	3.82	
Benares	29.720	80.3	2	2	1	7	7	7	61	5	28	62 S, 81 W	85.9	8.56	
Roorkee	29.683	86.8	...	6	3	24	1	11	7	11	57	11 S, 7 E	67.8	9.51	

## NOTE.

**Barometric Pressure.**—The pressures in column 2 of the above table for all stations below 500 feet are reduced from those given in column 3 of the table on the previous page by adding the weight of a column of air of the corresponding temperatures given in column 17. For stations of above 500 feet elevation the reduction is made by Dippe's tables as given in Guyot's "Meteorological and Physical Tables." The temperatures at the sea level are taken from column 3 of the above table.

**Temperature.**—The temperatures in column 3 are reduced from those in column 17 on the preceding page by adding 1° Fahr. for every 350 feet.

**Wind Resultant.**—The resultant wind direction and the comparative predominance are calculated from the whole number of wind observations recorded during the month. The relative predominance in the direction of the resultant is given as a percentage of the whole number of observations. The direction is computed in the usual way by Lambert's formula.

**Serenity.**—This column gives the average proportion of unclouded sky; a cloudless sky being indicated by 10, and one completely overcast by 0.

The above being comparable, afford the data for constructing a meteorological chart for the month, which shall show the isobaric and isothermal lines and the resultant wind directions, which last may be represented by arrows of varying length, proportioned to the prevalence of the wind. To these may be added the rainfall from the previous tables.

CALCUTTA,  
The 28th June 1873.

HENRY F. BLANFORD,  
Meteorological Reporter to the Govt. of Bengal.



**Results of the Meteorological Observations taken at the Surveyor-General's Office,  
Calcutta, from 22nd to 30th June 1873.**

Month.	Date.	Mean reduced barometer. Inches.	THERMOMETER.			Mean dry bulb.	Mean wet bulb.	Computed mean dew-point.	Mean degree of humidity.	WIND.			Rain.	Moon's phases.	GENERAL REMARKS.
			Highest reading.	Lowest reading.	Max. solar radiation.					Prevailing direction.	Max. pressure.	Daily velocity.			
June	22nd	29.480	98.5	78.5	142.0	88.8	82.7	79.0	74	SSW & SW	9.0	117.8	0.06	...	Cirri and cirrostrati high wind from 8 to 10 and 9 1/2 to 10 P.M. Thunder at 9 1/2 P.M. Lightning from 7 to 11 P.M. Light rain at 8 1/2 and 10 P.M.
	23rd	533	95.5	79.8	140.0	88.0	79.9	75.7	70	SSW	0.5	154.7	0.02	...	Overcast cirrostrati and cirro-cumuli and cirri. Lightning at Midnight and from 8 to 10 P.M. Light rain at Midnight and 9 1/2 P.M.
	24th	542	95.0	84.0	145.0	89.1	83.2	79.7	75	SSW & SW	3.2	79.2	...	...	Overcast, cirro-cumuli, & strati. Brisk wind at 9 1/2 P.M. Lightning at 8 & 9 P.M. Drizzled at 4 1/2 A.M.
	25th	517	98.5	84.9	131.5	90.2	83.9	78.5	60	N E & variable.	...	73.8	...	...	Overcast, cirro-cumuli and cirri.
	26th	472	102.3	84.5	145.0	92.1	83.2	77.0	64	NW & S by W	...	106.9	...	●	Cirro-cumuli and cirri. Lightning on N. at 10 P.M.
	27th	402	102.8	85.3	145.0	92.4	84.6	79.0	68	S by W & S	...	106.2	...	...	Chiefly clear.
	28th	537	99.8	81.0	143.9	89.3	82.9	79.1	73	S & SSW	4.3	100.0	0.30	...	Cirro-cumuli and overcast High wind between 5 1/2 & 5 3/4 P.M. Thunder at 6 P.M. Lightning from 8 to 9 P.M. Slight rain from 6 to 8 P.M.
	29th	543	97.7	82.0	142.0	88.0	83.4	80.5	79	SSW & SSE	0.9	139.8	...	...	Strati, cirrostrati and overcast. Thunder from 2 1/2 to 4 1/2 P.M. Drizzled at 4 & 6 1/2 P.M.
	30th	553	93.7	82.5	136.8	85.7	83.3	79.9	83	S & S E	0.4	121.6	...	...	Strati, cumuli & overcast. Thunder from 12 1/2 A.M. to 2 1/2 P.M. Lightning at 3 P.M. Drizzled at 12 1/2 A.M. 1 & 8 P.M.

The mean barometer, as likewise the dry and wet bulb thermometer means, are derived from the twenty-four hourly observations made during the day.

The dew-point is computed with the Greenwich constants. The figures in Column 10 represent the humidity of the air, the complete saturation of which being taken at unity. The receiver of the lower rain gauge is 1 1/2 feet, and that of the anemometer 70 feet 10 inches above the level of the ground. The velocity of wind, as indicated by Robinson's anemometer, is registered from noon to noon.

The extreme variation of temperature during the past nine days	...	23.3
The max. temperature during the past nine days	...	102.8
The max. temperature during the corresponding period of the past year	...	90.8
The mean humidity during the past nine days	...	0.73
The mean humidity during the corresponding period of the past year	...	0.79
		Inches.
The total fall of rain from 22nd to 30th	by lower rain gauge	0.38
	by anemometer gauge	0.29
Ditto ditto ditto, average of nineteen previous years	...	3.95
Ditto ditto between the 1st January and the 30th June	...	11.10
Ditto ditto ditto, average of nineteen previous years	...	24.80

GOPENAUTH SEN,  
In charge of the Observatory.

The 1st July 1873.

GOVERNMENT OF BENGAL.  
PUBLIC WORKS DEPARTMENT,—IRRIGATION BRANCH.

RUMBEE SEASON 1872-73, COMMENCING ON THE 1ST DECEMBER 1872, AND ENDING 31ST MAY 1873.

Irrigation Operations of Lower Bengal during the month of May 1873.

Circle.	District.	Canal.	SUPPLY OF WATER IN THE CANALS.		DALWA RICE IRRIGATION.		TOBACCO, COTTON, HULDS, GINGER, WHEAT, AND GARDEN PRODUCE.			OILSEEDS AND PULSES.			SUGARCANE AND OTHER CROPS.			RAINFALL.			REMARKS.			
			Estimated full discharge in cubic feet per second.	Average discharge in cubic feet per second throughout the month.	Area leased up to the end of the month.	Area leased during the month.	Total area leased up to the end of the month.	Area leased up to the end of the month.	Area leased during the month.	Total area leased up to the end of the month.	Area leased up to the end of the month.	Area leased during the month.	Total area leased up to the end of the month.	Area leased up to the end of the month.	Area leased during the month.	Inches during month.	Inches up to date.	Average of ten previous years for the same period.				
1			4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
Orissa.	Cuttack	High Level, Canal, Range I.	676	185.85	16	..	16	21	..	21	..	..	..	..	..	..	37	..	2.90	4.56	5.38	Details of crops in Orissa circle as per column 18— Acres. Dalwa .. 1,077 Lotton .. 2,123 Sugarcane .. 86 Hulds .. 36 Oil-seeds .. 34 Pulses .. 8 Garden produce .. 50 Total .. 3,418  The area leased up to 30th April 1873 for next Kharif season is as follows:— Kendraparah .. 2,777 Taldandah .. 74 Machgong .. 194 High Level .. 1,302 Total .. 4,177
	Ditto	Kendraparah ..	1,302	270	1,061	..	1,061	1,849	7	1,856	37	..	37	23	..	22	2,976	884	2.90	4.56	5.38	
	Ditto	Taldandah ..	1,300	125.92	..	..	..	130	..	130	..	..	..	23	..	22	..	110	2.90	4.56	5.38	
	Ditto	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
	Ditto	Machgong ..	640	58.46	..	..	..	201	1	202	..	..	..	..	43	..	43	244	..	..	..	

[illegible]

*The 24th June 1873.*

**H. W. GULLIVER, Lieut.-Colonel, R. E.,**  
*Offg. Joint-Secretary to the Government of Bengal*  
*in the P. W. Dept., Irrigation Branch.*

**Abstract of the Results of the Hourly Meteorological Observations taken at the  
Surveyor-General's Office, Calcutta, in the month of May 1873.**

LATITUDE 22° 33' 1" North. Longitude 88° 20' 34" East. Height of the cistern of the  
standard barometer above the sea level, 18.11 feet.

**MONTHLY RESULTS.**

	Inches.		
Mean height of the barometer for the month	...	...	29.689
Max. height of the barometer occurred at midnight on the 6th	...	...	29.983
Min. height of the barometer occurred at 4 P.M. on the 31st	...	...	29.374
Extreme range of the barometer during the month	...	...	0.559
Mean of the daily max. pressures	...	...	29.756
Ditto ditto min. ditto	...	...	29.616
Mean daily range of the barometer during the month	...	...	0.140
<hr/>			
Mean dry bulb thermometer for the month	...	...	86.6
Max. temperature occurred at 3 and 4 P.M. on the 21st	...	...	106.0
Min. temperature occurred at 6 A.M. on the 5th	...	...	71.0
Extreme range of the temperature during the month	...	...	35.0
Mean of the daily max. temperature	...	...	96.5
Ditto ditto min. ditto	...	...	79.1
Mean daily range of the temperature during the month	...	...	17.4
<hr/>			
Mean wet bulb thermometer for the month	...	...	79.8
Mean dry bulb thermometer above mean wet bulb thermometer	...	...	7.3
Computed mean dew-point for the month	...	...	74.9
Mean dry bulb thermometer above computed mean dew-point	...	...	11.7
			Inches.
Mean elastic force of vapour for the month	...	...	0.85.1
			Troy grain.
Mean weight of vapour for the month	...	...	90.6
Additional weight of vapour required for complete saturation	...	...	4.08
Mean degree of humidity for the month, complete saturation being unity	...	...	0.69
Mean max. solar radiation thermometer for the month	...	...	142.2
			Inches.
Rained 12 days,—max. fall of rain during 24 hours	...	...	0.94
Total amount of rain during the month	...	...	3.78
Total amount of rain indicated by the gauge* attached to the anemometer during the month	...	...	8.28
Prevailing direction of the wind	...	...	S W & S S W.

\* Height, 70 feet 10 inches above ground.

GOPENAUTH SEN,  
In charge of the Observatory.

The 25th June 1873.



# TO THE CALCUTTA GAZETTE

## turn of Traffic Receipts on Indis

### NULHATTEE STATE RAILWAY.

Approximate Return of Traffic for Week ended 14th June 1873, on 27½ miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			Total receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		
		Rs. A. P.	£ s. d.	Mds. Strs.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ... ..	1,488	1,117 0 0	111 14 0	4,180 0	480 0 0	48 1 0	184 14 0
Or per mile of railway ... ..	53	41 0 0	4 8 0	154 0	18 0 0	1 12 0	5 14 0
For previous 23 weeks of half-year	37,903	27,290 0 8	2,729 18 0	165,017 0	12,137 0 0	1,213 14 0	2,943 12 0
Total for 24 weeks ...	39,331	28,416 0 0	2,841 12 0	169,206 0	12,617 0 0	1,264 14 0	3,008 0 0
COMPARISON.							
Total for corresponding week of previous year	.....	.....	.....	.....	.....	.....	.....
Per mile of railway, corresponding week of previous year	.....	.....	.....	.....	.....	.....	.....
Total to corresponding date of previous year ... ..	.....	.....	.....	.....	.....	.....	.....

### CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for Week ended 14th June 1873, on 28 miles open.

		Rs. A. P.	£ s. d.	Mds. Strs.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ...	8,307	1,029 0 0	102 18 0	17,725 0	583 0 0	58 6 0	188 4 0
Or per mile of railway ...	215	37 0 0	3 14 0	633 0	19 8 0	1 19 0	5 18 0
For previous 23 weeks of half-year	189,958	25,683 0 0	2,568 0 0	446,937 0	14,309 0 0	1,436 18 0	4,008 4 0
Total for 24 weeks	1,91,063	26,692 0 0	2,669 1 0	464,662 0	14,892 0 0	1,492 4 0	4,161 8 0
COMPARISON.							
Total for corresponding week of previous year	4,854	779 2 9	77 18 4	12,944 7	887 12 8	88 15 7	118 18 11
Per mile of railway, corresponding week of previous year	163	27 18 3	2 15 8	463 12	12 12 8	1 5 7	4 1 8
Total to corresponding date of previous year	187,024	25,904 0 3	2,590 8 0	463,228 7	12,518 18 6	1,251 7 8	3,790 15 8

### NULHATTEE STATE RAILWAY.

Approximate Return of Traffic for Week ended 21st June 1873, on 27½ miles open.

		Rs. A. P.	£ s. d.	Mds. Strs.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ...	1,069	1,280 0 0	128 0 0	4,388 0	346 0 0	34 12 0	100 12 0
Or per mile of railway ...	61	46 0 0	4 12 0	162 0	13 0 0	1 8 0	5 18 0
For previous 24 weeks of half-year	39,331	28,416 0 0	2,841 12 0	169,206 0	12,617 0 0	1,264 14 0	3,008 0 0
Total for 25 weeks	41,000	29,676 0 8	2,967 12 0	163,591 0	12,913 0 0	1,291 6 0	3,358 18 0
COMPARISON.							
Total for corresponding week of previous year	.....	.....	.....	.....	.....	.....	.....
Per mile of railway, corresponding week of previous year	.....	.....	.....	.....	.....	.....	.....
Total to corresponding date of previous year	.....	.....	.....	.....	.....	.....	.....

### EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for Week ended 21st June 1873, on 223½ miles open.

		Rs. A. P.	£ s. d.	Mds. Strs.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ...	5,108	7,384 15 1	674 4 1	104,421 30	23,759 4 0	2,176 1 11	2,350 1 11
Or per mile of railway ...	22	32 14 6	3 0 4	467 0	106 8 0	9 14 9	12 18 0
For previous 24 weeks of half-year	118,008	3,79,808 3 0	34,776 8 8	1,339,038 30	3,24,870 3 6	29,084 13 5	32,870 8 10
Total for 25 weeks	123,116	3,80,723 8 7	35,449 13 0	1,343,459 0	3,46,409 7 6	30,270 17 4	35,790 9 10
COMPARISON.							
Total for corresponding week of previous year	5,008	13,005 10 2	1,300 19 4	76,119 10	20,748 15 11	1,901 10 7	2,003 4 11
Or per mile of railway, corresponding week of previous year	22	58 11 6	4 18 8	341 0	92 18 0	8 10 8	12 18 0
Total to corresponding date of previous year	123,116	4,02,808 8 8	37,518 15 7	1,339,500 30	3,19,716 0 4	29,040 13 8	32,126 8 10

Note: The above figures are added on account of difference between approximate and audited returns of previous weeks.

## EAST INDIAN RAILWAY—MAIN LINE

Approximate Return of Traffic for Week ended 21st June 1873, on 1,380 miles open.

		Rs. A. P.	£ s. d.	Mds. Wrs.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ...	108,000	1,16,471 10 1	10,078 11 4	9700,168 0	2,01,820 6 3	27,000 12 1	30,346 8 8
Or per mile of railway ...		80 15 11	8 6 10		234 11 1	21 12 4	30 19 3
For previous 24 weeks of half-year...	2,742,161	38,62,297 14 6	303,126 7 10	18,412,796 20	60,94,633 3 0	698,064 10 7	1,108,370 18 3
Total for 26 weeks ...	2,850,161	39,68,788 8 7	303,094 10 3	18,410,966 20	60,96,653 9 3	698,284 2 8	1,108,717 1 10
COMPARISON.							
Total for corresponding week of previous year ...	118,011	1,27,869 10 1	11,715 17 8	961,208 0	2,90,763 11 10	27,078 6 10	30,346 8 8
Per mile of railway, corresponding week of previous year ...		90 13 7	9 3 1		234 5 1	21 9 4	30 19 3
Total to corresponding date of previous year ...	2,786,671	40,38,746 3 11	303,760 10 7	17,034,761 0	60,38,717 2 10	6,50,040 1 7	1,108,300 1 3

\* Mds. 27,000 and Rs. 15,000 added on account of difference between approximate and audited returns of previous weeks.

## EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for Week ended 21st June 1873, on 166½ miles open.

		Rs. A. P.	£ s. d.	Mds. Wrs.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ...	31,9534	19,477 7 3	1,745 8 8	97,372 20	57,194 11 0	3,409 10 4	5,104 19 0
Or per mile of railway ...	204	124 7 4	11 8 3	623 0	237 10 6	21 15 9	33 5 11
For previous 24 weeks of half-year ...	819,168	6,03,813 3 11	55,303 17 10	3,036,918 7	10,16,887 14 0	65,090 17 8	120,904 15 6
Total for 26 weeks ...	851,1194	6,22,790 11 2	57,049 6 6	3,134,290 30	10,54,082 14 0	69,500 8 0	120,189 14 6
COMPARISON.							
Total for corresponding week of previous year ...	30,4484	34,226 10 7	2,220 15 7	167,471 3	31,429 6 4	3,861 0 6	5,161 16 2
Per mile of railway, corresponding week of previous year ...	218	151 12 10	14 3 10	1,070 0	290 13 3	18 9 3	32 13
Total to corresponding date of previous year ...	818,823	5,14,698 14 8	47,180 14 7	3,065,890 1	6,62,861 8 1	60,762 0 3	107,848 0 10



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JULY 9, 1873.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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### TRAFFIC ON THE GANGES AND OTHER BENGAL RIVERS.

#### RESOLUTION.

#### STATISTICAL DEPARTMENT.

#### STATISTICAL.

*Calcutta, the 7th July 1873.*

1. In a resolution dated the 18th November last were explained the arrangements made for registering the trade on the Ganges past Sahebgunge, and the traffic returns for the first six months of 1872 were reviewed. It was stated that Sahebgunge had been selected as the place of registry, because nearly all its great tributaries entered the Ganges above Sahebgunge, which was above the point where the most westerly of the Ganges mouths leaves the main stream for the sea. Sahebgunge, again, is situated on a rocky headland, directly under which the deep stream of the Ganges passes. During the rainy season of 1872, while the river was in flood, the convenience of Sahebgunge as a registering station was further proved; for six weeks during the height of the freshes a second boat channel close to the left bank of the river was used, and special arrangements had to be made for the registering boats taking that channel. During the last week of August and the whole of September, about one-quarter of the boats passing up and down the river took the new channel on the left bank; but by the beginning of October the river had fallen, the left bank channel was impassable, and all the traffic returned to the usual deep channel under Sahebgunge. The traffic returns for the second half of the year 1872 are now complete. Detailed statements for the second half-year, together with the totals of the previous half-year's returns, are appended to this resolution.

2. Mr. Wilmot, Assistant Commissioner of the Sonthal Pergunnahs, who has had charge of the registering establishment throughout, when forwarding the returns for December 1872, wrote—"The traffic of the Ganges during the second half-year has proved to be much more important than that which was shown during the first half-year. This is just what might have been expected. It is, however, impossible to express any idea whether the trade was during the past year (1872) more or less than usual. The description of boats passing Sahebgunge are as follows: *mulnees*, *woolacks*, *pansays*, *ectas*, *pulwoars*, *patelees* or *katras*, and *dooats*. It seems to be the custom during the rains for boats going downward to take full loads, but for the upward passage they are seldom more than half loaded, being the reverse of what was the case in the first half-year."

"The reason why boats are more laden in the rains for down traffic than in the dry weather, is because it is supposed to be more safe, as boats are less likely to get on sand-banks, and there is so much more water to float them than at other times."

Regarding the different classes of boats, Baboo Parbutty Churun Bose, the Boat Registrar, writes—"Ganges boats are generally owned by the manjees (boatmen), the merchants or mahajuns hire to carry their goods. *Patelee* and *katra* boats are built at Mirzapore; *mulnee* boats are built at Patna, in the Monghyr district, and on the river Gunduck in the Chuprah district; *ecta* boats are built on the river Deleswar, in the Goruckpore district; *sorinda* and *koosee* boats are built on the river Koosee, in the districts of Purneah and Bhaugulpore; *pansay* boats are built in the Maldah district; and *pulwar* boats are built at Dacca and in its neighbourhood. Boats that are despatched from Mirzapore for Calcutta or Moorsshedabad generally make one trip during the year. *Pulwar* boats despatched from Eastern Bengal for the Patna, Chuprah, and Ghazeepore districts, make three trips during the year; all the rest generally make two trips, that is, they take their cargoes down stream during the rains and return in the dry season with rice and salt."

Regarding the manner of registration, Mr. Wilmot writes—"When the registry station was first established at Sahebgunge, it was found very difficult to get the majority of the boats passing the station to give an account of themselves. They appeared all to have an idea that something in the shape of money was wanted from them, or that their boats were required to convey troops or goods to Caragola. It took a long time to acquire their confidence, although no examination of the boats was made, and the information as to cargoes was got entirely from the manjees (boatmen) and chirundars (super-cargoes). \* \* \* I believe the year's operations have been concluded without delay or oppression of any kind at Sahebgunge. At the first starting of the registration, two men were imprisoned for extorting Re. 1½ from some boatman on pretence of their being darogah and jemadar, but since then nothing of the kind has happened again."

3. The total number of country boats which passed Sahebgunge during the year were—

*Up-stream Traffic.*

	Loaded boats.	Passenger boats.	Empty boats.	TOTAL.
January ... ..	1,105	11	553	1,669
February ... ..	1,308	31	444	1,783
March ... ..	1,361	91	426	1,878
April ... ..	764	19	496	1,279
May ... ..	1,472	19	513	2,004
June ... ..	1,499	13	339	1,851
July ... ..	1,055	12	277	1,344
August ... ..	1,821	25	273	2,119
September ... ..	1,515	24	347	1,886
October ... ..	1,132	33	483	1,648
November ... ..	1,115	34	417	1,566
December ... ..	592	20	425	1,037
Total ... ..	15,039	332	4,993	20,364



*Down-stream Traffic.*

	Laden boats.	Passenger boats.	Empty boats.	TOTAL.
January ... ..	1,267	37	260	1,564
February ... ..	1,162	19	407	1,588
March ... ..	1,192	24	316	1,562
April ... ..	991	65	220	1,276
May ... ..	706	55	172	933
June ... ..	735	27	239	1,001
July ... ..	2,646	47	470	3,163
August ... ..	1,976	55	499	2,530
September ... ..	1,798	42	526	2,366
October ... ..	1,346	90	386	1,822
November ... ..	1,908	110	417	2,435
December ... ..	1,704	117	519	2,340
Total ... ..	17,431	688	4,461	22,580

About 43,000 boats in all passed Sahobgunge during the year, at the rate of about 100 per diem during the first half of the year and about 140 per diem during the second half. During the first six months the up-stream traffic was larger and heavier than the down-stream; but during the second half-year, when the river was in flood, the down-stream traffic was very much the larger.

The average freight of each laden boat was—

*Up-stream.*

	Mds.
First half of the year ... ..	329
Second half of the year ... ..	310

*Down-stream.*

First half of the year ... ..	223
Second half of the year ... ..	364

The two great articles of produce—rice and oil-seeds—which together make up more than half of the whole Ganges traffic, may to some degree cause—at any rate they fall in with—the condition of the river trade. Rice comes into the Bengal markets in December and January, and is despatched up-country for consumption in Behar and Benares during the dry season, when the up-stream traffic is briskest; oil-seeds come into the Behar and Benares markets in April and May, and are despatched to Calcutta for export during July and the rainy season, when the down-stream traffic is the largest. During the whole year only eleven steamers with their flats passed up, and eleven steamers passed down, the river. These steamers all belong to a European Company in Calcutta, and they seem to get very little of the ordinary traffic of the country. They get twice as much cargo on their up-stream as they do on their down-stream trips. They carry very little of the great staples, such as oil-seeds, rice, and salt; but carry most of the metals and machinery, and much of the miscellaneous European goods which are sent up-country by river. Neither country boats nor steamers get any of the piece-goods traffic between Calcutta and the Upper Provinces.

4. The total weight of the cargoes passing Sahobgunge during the year 1872 is shown to have been—

*Down-stream Traffic.*

		Total cargo in maunds.
1ST HALF-YEAR ...	{ Country boats ... 1,364,930	
	{ Steamers ... 35,738	
		1,400,668
2ND HALF-YEAR ...	{ Country boats ... 4,254,686	
	{ Steamers ... 50,123	
		4,304,809
		5,705,477 = 209,200 tons.

*Up-stream Traffic.*

		Total cargo in maunds.
1ST HALF-YEAR	{ Country boats ...	2,372,722
	{ Steamers ...	80,446
		2,459,168
2ND HALF-YEAR	{ Country boats ...	2,435,714
	{ Steamers ...	89,663
		2,525,377
		4,984,545 = 182,766 tons.

The appended statements (Nos. 1—4) give details of the up and down-stream traffic during the second half of 1872; they show particulars for each mart which either despatched or received more than 10,000 maunds of goods during the half-year. Marts where the transactions were small are grouped together: for instance, the transactions of the smaller marts in Eastern Bengal are shown together, as also the transactions of the smaller marts in the Tirhoot and Sarun districts, and of the smaller marts in Patna and Shahabad districts. The totals for the preceding half-year are also given, but the traffic of those six months are not repeated with the same detail as was given in the statements appended to the resolution of the 18th November last. Goods that are usually measured by tale have been reduced to maunds, according to the table which was used for the traffic returns of the first half-year, except that hides have been converted into maunds at a little under 4 to the maund. The steam-boat traffic is given in Appendix No. 5 with such details as were furnished by the Steam-Boat Company.

5. The chief staples of the down-stream traffic during the year were—

	Mds.
Wheat	432,000
Oil-seeds	2,580,000
Pulses and gram	448,000
Sugar	545,000
Tobacco	108,000
Saltpetre	323,000
Cotton	77,240

Nearly all the wheat that comes down the river is shipped at marts in the Monghyr and Bhaugulpore districts. Very little wheat comes from the Patna division, and none comes from the North-Western Provinces. Of the pulses also, more than half is shipped from the Monghyr, Purneah, and Bhaugulpore districts, the rest comes from the districts of the Patna division. Of the oil-seeds—

About one-half, or	nearly 1,300,000	maunds, come from the	Patna division.
„ three-eighths „	900,000	„ „	Bhaugulpore division.
„ one-eighth, or over	300,000	„ „	N. W. Provinces.

The largest shipments of oil-seeds are made from Revelgunge in the Sarun district, at the meeting of the Ghogra and the Ganges; from this mart alone more than 500,000 maunds of oil-seeds were despatched. The next largest oil-seeds mart was Roshra, a comparatively little known place on the Chota Gunduck river, in the Durbhanga sub-division of Tirhoot. From Roshra 345,000 maunds of oil-seeds were despatched; while Durbhanga and Somastipore, two other towns in the Tirhoot district, sent about 100,000 maunds between them. From the marts of the Patna division, on the south of the Ganges, comparatively little oil-seed was despatched. Patna sent 200,000 maunds; but from other places in Patna or Shahabad not more than 30,000 maunds were despatched. More than four-fifths of the oil-seeds passing Saheb-gunge was consigned to Calcutta, or to places on the Bhagirutty which feed the Calcutta market.

Out of 545,000 maunds of sugar passing Sahebgunge, more than 400,000 maunds come from the Benares province, mainly from the districts of Ghazepore and Jounpore; nearly all the rest comes from the districts of Chuprah and Tirhoot. Of this Ganges-borne sugar Calcutta takes a little more than one-third, and the rest is consigned for consumption in the Dinagapore, Maldah, Rajshahye, Pubna, and Moorshedabad districts. Some part of the 130,000 maunds of sugar consigned to places in the Moorshedabad district may eventually find its way to Calcutta, or it may be re-exported to other districts of Western and Central Bengal. Tobacco comes mainly from Tirhoot

and Purneah, in which districts it is known to grow well near the hills. Most of the tobacco is consigned to places in the Moorshedabad district, and a good deal comes to Calcutta. Hardly any tobacco comes from the North-Western Provinces.

River-borne saltpetre comes almost entirely from the Tirhoot and Sarun districts; some little comes from the Monghyr and Bhaugulpore districts. Only 18,000 maunds came from the North-Western Provinces, and 4,000 maunds came down the Ghogra from places in Oudh; Gunduck-Sahebgunge, Chuprah, Durbhanga, Solimpore, Hajeeppore, and Poosa, were the chief places of exports for saltpetre. Only 5,000 maunds are shown to have been shipped from Patna or from places in the Patna division south of the Ganges, a result which is somewhat surprising, inasmuch as Patna had been supposed to be the headquarters of the Behar saltpetre trade; it will be seen in a subsequent paragraph that considerable despatches of saltpetre are sent from Patna by rail. Almost all the saltpetre passing Sahebgunge was consigned to Calcutta.

More than three-quarters of the cotton passing Sahebgunge came from Mirzapore; the bulk of it was consigned to places in the Rajshahye division and in Eastern Bengal.

The Ganges-borne trade in hides is smaller than might have been expected. The total number of hides and skins (by tale) passing Sahebgunge was about 330,000; more than three-quarters of this amount left the river at Sahebgunge and took to the rail there. A very much larger number came into Calcutta by railway, the explanation probably being that hides cannot bear a long river journey in the damp season without spoiling. More than two-thirds of the whole number came down in the dry season.

The number of logs, planks, and posts, 43,000 in all, is smaller than might have been expected, seeing that a great part of Western, Central, and Eastern Bengal draws its supplies of timber from the sal forests at the head-waters of the Ghogra, the two Gunduks, and the Koosce.

6. The Lieutenant-Governor has not yet been able to obtain from the East Indian Railway Company statistics of the goods traffic of 1872. For the years 1870 and 1871, however, there are available returns of the chief commodities received at and despatched from Howrah and Calcutta. In some respects the trade of 1871 was abnormally small; and for the purpose of comparison it will be best to take a mean between the traffic figures of these two years. The Ganges country-boat trade figures compare with the railway traffic figures thus:—

QUANTITY OF GOODS IN MAUNDS.

				Consigned in one year to Calcutta and Howrah by railway (being the mean of the two years 1870 and 1871) from all stations on the East Indian Railway.	Consigned by the Ganges to Calcutta and the neighbouring marts from places above Sahebgunge.
Cotton ..	..	..	..	658,000	20,000
Oil-seeds	..	..	..	2,188,000	2,800,000
Wheat, other grains, and pulses	..	..	..	808,000	888,000
Saltpetre	..	..	..	289,000	333,000
Shellac and dye	..	..	..	99,000	5,123
Sugar ..	..	..	..	156,000	180,000

The river draws its trade in effect from places below Benares, while the railway serves the whole of the North-Western Provinces and parts of Central India; but there are no figures available to show how much of the East Indian Railway traffic comes from beyond Benares. It seems that the railway already gets all, or nearly all, the down traffic in costly goods of comparatively small bulk, such as cotton, indigo, shellac, ghee, and oil; but it has as yet failed to attract quite half the Behar traffic in bulkier produce, such as oil-seeds, grains and pulses, saltpetre, and sugar.

7. A satisfactory test of the approximate accuracy of the Ganges trade figures may be here applied thus: the total weight of saltpetre reaching

Calcutta by river and railway is, according to the foregoing figures, 622,000 maunds. The Custom House returns show that the export of saltpetre from the port of Calcutta was 425,000 cwts. in 1871-72, and 478,000 cwts. in 1870-71, giving an average of 451,500 cwts., equal to 542,140 maunds. The consignments of saltpetre by river and rail, as shown above, would admit of a somewhat increased export in 1872; so that the Custom House returns warrant us in believing that the returns of Ganges-borne saltpetre are tolerably correct.

8. The principal staples of the up-stream traffic are—

	Mds.
Rice .. .. .	2,753,000
Salt .. .. .	1,185,000
Pulses .. .. .	191,000
Gunnies .. .. .	273,104

Considerably more than half the rice goes up in the dry season. The chief despatches of rice are—

	Mds.
From the Maldah and Dinagepore districts, about ..	1,500,000
„ Rajshahye district, about ..	320,000
„ Dacca and its neighbourhood, about ..	420,000
„ the Moorshedabad district, about ..	320,000

Rice from Central and Eastern Bengal is most largely consigned to—

	Mds.
Mirzapore, which took about .. .. .	110,000
Benares, „ „ .. .. .	300,000
The Ghazee pore district, which took about ..	760,000
„ Tirhoot and Chuprah districts took about ..	580,000
„ Patna district took about .. .. .	760,000

These quantities seem large, but after all 1,340,000 maunds of rice is comparatively an insignificant contribution to the food-supplies of the thirteen millions of people in the Patna division; it would barely feed one-third of a million of people for one year. In return for this rice the Patna division sends southwards by river for export 1,300,000 maunds of oil-seeds, besides sending nearly 500,000 maunds of seeds by rail, as well as many thousand maunds of indigo and opium. The rich soil of the Patna division thus very much more than supports its large population of 553 souls to the square mile.

Salt is shipped upwards entirely from Calcutta and marts on the Hooghly near Calcutta, and it is consigned mostly to the districts of Tirhoot and Sarun, and places in Monghyr and Purneah. Comparatively little river-borne salt goes to Patna or to places in the Patna division south of the Ganges. These tracts are probably supplied by the railway, for about 300,000 maunds of salt were consigned to the Patna railway station alone in the year 1871. The deliveries of river-borne salt were—

	Mds.
To places in the Tirhoot and Sarun districts, about ..	650,000
„ „ Ghazee pore and Goruckpore districts, about ..	80,000
„ „ Patna division, south of the Ganges, about ..	115,000
„ „ Bhaugulpore division, about ..	370,000

The pulses sent up-stream are shipped chiefly from the Moorshedabad district, and are consigned to Rosrah and other places on the left bank of the Ganges in the Patna division.

9. In the year 1872, when discussion was going on regarding the falling off in the East Indian Railway traffic, statistics of the outward and inward trade of the Patna station were published, and it may be interesting to compare the



railway-borne and river-borne traffic of this important mart. Taking the more considerable items only, we find that they compare as follows:—

*Railway and river traffic of Patna city, being the river traffic for 1872 and the railway traffic for 1871.*

	RECEIPTS.		DESPATCHES.	
	By river. Mds.	By rail. Mds.	By river. Mds.	By rail. Mds.
Salt ...	82,000	292,000	.....	.....
Rice, grains, and pulses ...	594,000	39,000	.....	.....
Oil-seeds ...	.....	.....	202,000	400,000
Saltpetre ...	.....	.....	1,800	76,000
Sugar ...	.....	.....	10,000	153,000
Tobacco ..	.....	.....	18,000	19,000
Piece-goods ...	.....	78,000	.....	.....
Indigo and dyes ...	.....	.....	1,000	47,000
Iron and other metals, excluding railway materials ...	24,000	22,000	....	....

Thus the only item in which the railway has not already got the greater part of the Patna traffic is the upward trade in rice and other grains. The greater part of these rice and grain consignments start from places in the Rajshahy division, from which access to the railway is difficult. Although the railway has thus attracted the bulk of the down traffic from Patna, still there is a very large trade in seeds and salt which it might attract if it could get the traffic of Revelgunge, Roshra, and the larger marts in Tirhoot, Chumparun, and Ghazceppore.

10. The total weight of cargoes passing Sahebgunge, and of cargoes consigned by river to and from Calcutta, may be compared with the railway receipts and despatches of Calcutta-Howrah thus—

*Up-stream and Up-country Traffic.*

	Mds.	Tons.
Despatches from Calcutta and Howrah, exclusive of coal and railway material (average of years 1870 and 1871) ...	5,777,000	= 211,823
Cargoes passing Sahebgunge up-stream, shipped from all places below the registering station ...	4,808,436	= 176,309
Cargoes passing Sahebgunge up-stream, shipped from Calcutta and places close to Calcutta ...	1,400,000	= 51,333

*Down-stream and Down-country Traffic.*

	Mds.	Tons.
Receipts at Calcutta and Howrah, exclusive of coal and railway material (average of years 1870 and 1871) ...	5,875,000	= 213,416
Cargoes passing Sahebgunge down-stream, shipped at all places above the registering station ...	5,619,616	= 206,052
Cargoes passing Sahebgunge down-stream and consigned to Calcutta or places close to Calcutta ...	4,120,000	= 151,066

Thus much of the goods despatched from the Calcutta railway stations is consigned to places below Sahebgunge: for instance, some lakhs of maunds of salt go to Raneegunge and other stations for consumption in Western Bengal and in Chota Nagpore; still the East Indian Railway clearly has attracted the bulk of the traffic from Calcutta to places in Southern Behar and in the North-Western Provinces. There is, however, still left on the river a traffic of at least two millions of maunds, which the railway might, by dint of low rates and special facilities, attract to itself. If the railway could undertake to receive and deliver goods at marts like Revelgunge, Roshra, Chuprah, and Ghazeepore, it ought in time to obtain a very large share in the carrying trade between Calcutta and the fertile districts lying between the Koosoo river and the frontiers of Oudh.

11. In the review of the Ganges trade returns for the first half of the year, the Lieutenant-Governor reserved any expression of opinion as to the accuracy or otherwise of the figures. From a consideration of the returns for the whole year, the Lieutenant-Governor is induced to believe that the traffic statistics collected at Sahebgunge are becoming fairly correct, though they probably were, as surmised by Mr. Wilmot, the officer in charge of the business, at first somewhat untrustworthy. The test furnished by the saltpetre customs returns would show that the Ganges trade returns are at any rate approximately

correct. The salt and oil-seeds trade figures do not in any way conflict with, though they cannot be so completely tested by, the Custom House returns. The Lieutenant-Governor was not aware that so large a share of the oil-seeds exported from Calcutta was grown in the districts of Tirhoot, Sarun, Chumparun, and Goruckpore; nor that Northern and Eastern Bengal drew such large supplies of sugar from the provinces of Behar and Benares. But these general results of the Sahebgunge registration may be accepted as quite correct, and do not throw any doubt on the approximate accuracy of the Ganges trade returns.

12. The Assistant Commissioner of Rajmehal, Mr. Wilmot, to whom the thanks of Government are due for the care he has given to these returns, proposes that "the Sahebgunge registry office should be maintained for another year, and that the information should be collected more carefully by the registering officer, not contenting himself with the statements of the manjees and cherundars, but personally satisfying himself that the statements made are fairly correct, either by comparing them with the chalans or by himself personally visiting the boats." The Lieutenant-Governor certainly wishes that the registering establishment should be maintained, and he approves of the registering officer's *occasionally* comparing the statements of the boatmen with the manifests of their cargoes; but the duty of effecting such comparison should not be delegated to any one below the rank of the boat registrar, who is a well-paid official, and who may be fairly trusted not to permit any oppression or extortion.

13. The Lieutenant-Governor recently inquired of the Commissioner of Patna where the river trade of the North-Western Provinces with Behar and Bengal could be most easily registered without inconvenience to traders. Mr. Bayley reports that, after consulting the district officers, he finds that Revelgunge, the place suggested by the Lieutenant-Governor, will be the best registry station in the Patna Division. As a great majority of the Ganges boats stop at Revelgunge, there will be a minimum of inconvenience to the trade. For the present the Lieutenant-Governor would not establish a second registry station, for he fears that, however well it may be managed, some loss and interruption must be caused to the trade. Moreover, at Revelgunge, which is confessedly the best place for such registration, there is no resident Magistrate or sub-divisional officer to prevent extortion.

14. The Lieutenant-Governor's resolution on the returns of the first half-year was forwarded to all Commissioners and Collectors whose jurisdictions were on the Ganges, and also to the railway companies, whose remarks were invited. The Collector of Purneah (Mr. Kemble) has drawn attention to the fact that large consignments of rice which come down the Koossee river and go up-country to Behar and the North-Western Provinces escape registration at Sahebgunge as they enter the Ganges above that place. The Commissioner of Burdwan (Mr. Buckland) reported that neither he nor his district officers could usefully criticise the returns of the river trade, unless they had some opportunity of checking the trade of the Hooghly, and he suggested that a trade registering station should be established at Hooghly. Mr. Buckland pointed out that a Hooghly river registry establishment could do good service in checking opium smuggling, which is believed to prevail more or less on the Hooghly. The Lieutenant-Governor, however, decided that, as we had already one station for registering traffic at Jungypore, at the point where the Hooghly waters leave the Ganges, and another at Nuddea, it would be better to improve the Jungypore registration before attempting any other traffic registry on the Hooghly. No other remarks upon or additions to the information published in November last have been received.

15. After the Sahebgunge returns had been compiled and printed, and the foregoing paragraphs had been sent to press, the traffic returns of the Bhagiruttee, the Matabangha, and of the Calcutta canals were received from the Board of Revenue. The Board explains that the traffic returns were not kept in the required shape until the second half of the year 1872, and therefore the figures for that half-year only are available. The Lieutenant-Governor is much obliged to the canal and river officers for the care they have taken to meet the wishes of Government in this matter, and he hopes that the returns

for future half-years will be furnished in a shape that will be quite clear and intelligible.

16. The sets of traffic returns now furnished are four, namely :—

*The Jungypore returns.*—These are taken at the toll station at the head of the Bhagiruttee, where that river leaves the Ganges. The tables give the weight of goods each way, their place of shipment and alleged destination. They do not show the traffic of places below the Nuddea toll station, which latter station records the Bhagiruttee traffic at a point about 50 miles above Calcutta and about 80 miles below Jungypore. The names of places should be arranged in correct geographical order with the name of the district to which each place belongs.

*The Nuddea returns.*—These are taken at the toll station, and show the traffic only of places between Nuddea and Calcutta.

*The Matabangha river returns.*—These are taken at the station of Kishengunge on the Matabangha river, by which route the traffic of North-East and part of Eastern Bengal comes to Calcutta. This route is in more or less direct competition with the Eastern Bengal Railway. The Matabangha returns show all the marts in Nuddea and the eastern districts in alphabetical order. There is often more than one mart of the same name; and, as the districts to which a place belongs is not given, it is not possible to identify each place.

*The Calcutta canals' returns.*—These returns are taken at toll stations a little outside Calcutta on the canals which connect the Sunderbuns, Backergunge, parts of Jessore, and the country about the Megna river with Calcutta. They show any trade which may go by canal from the Sunderbuns or Jessore towards Western Bengal or Behar. The returns of the Calcutta canals do not show the place of shipment or destination of the traffic, but only its general direction.

The Board of Revenue have arranged to have the returns of all these canals and rivers compiled on a uniform plan, whereby the trade of considerable marts only will be shown, the trade of small places in the same district being lumped together. Further returns should show the number of laden and empty boats for goods and passengers passing each way.

17. Taking the several sets of returns in the above order, we have first the Jungypore returns, which to a great extent exhibit the same down-stream traffic that passes Sahebgunge. Barely 130,000 maunds of goods that pass Jungypore are shipped from places east of Sahebgunge. The sum of the principal traffic figures of the Jungypore and Sahebgunge stations for the second half of 1872 compare thus :—

TRAFFIC PASSING DOWN-STREAM AND REGISTERED AT			
	Sahebgunge.	Jungypore.	
	Mds.	Mds.	
Total of the half-year...	4,254,686	3,577,630	...
Oil-seeds	2,109,078	1,450,617	...
Pulses and gram	374,253	743,534	...
Wheat	333,833	133,050	...
Saltpetre	236,175	94,042	...
Total of consignments for Calcutta	3,626,700	3,295,515	...

It will be seen that in one or other of the returns there has been some confusion between pulses and oil-seeds; if the two items be taken together, the difference between the totals of the two registers is only 200,000 maunds. Appendix II of the Sahebgunge Returns shows that places east of the mouth of the Bhagiruttee took about 340,000 maunds of the goods which passed Sahebgunge; deducting this amount, we find the difference between the total traffic for the Hooghly, as registered at Sahebgunge and as registered at Jungypore, is about 880,000 maunds; the Jungypore being less by so much, or by about 10 per cent. This difference is by no means so large as to throw considerable doubt upon the approximate correctness of the returns; for at Jungypore the boatmen pay toll according to their maundage, and may therefore be expected to understate it somewhat, while at Sahebgunge they pay no toll, and have no interest in understating the truth. The difference in the returns of wheat and of saltpetre coming down the river is much larger than can be explained in this way; and one or other of the returns must be very seriously wrong. The

comparison made (at paragraph 7 above) with the Custom House figures would go to show that the Sahebgunge figures are the more correct of the two.

18. The Nuddea toll station returns show the down-stream traffic of the Bhagiruttee from places below Jungypore. The total of this trade is 215,506 maunds, of which one-third, consisting mainly of pulses, comes from Moorshedabad; nearly another third comes from Cutwa (in the Burdwan district), and consists of rice, pulses, and other cereals.

The up-stream traffic from Calcutta is registered at Nuddea; and to some extent the Nuddea returns ought to agree with the Sahebgunge figures. The total shipments up-stream from Calcutta and Bhadessur (Hooghly district) past Nuddea compare with the same shipments past Sahebgunge thus:—

		UP-STREAM SHIPMENTS DURING THE SECOND HALF OF 1872 FROM CALCUTTA AND BHADESSUR AS REGISTERED AT	
		Sahebgunge.	Nuddea.
		Mds.	Mds.
Total shipments	...	851,450	1,415,300
Salt shipments	...	616,129	1,204,800
Shipments of metals	...	13,556	34,975

The share of the total Calcutta shipments which were recorded at Nuddea as being consigned to places east of Sahebgunge was about 330,000 maunds, and the share of the salt shipment similarly consigned was about 240,000 maunds. Thus the shipments for Behar and the North-Western Provinces as registered at Nuddea were 250,000 maunds in excess of the shipments as registered at Sahebgunge: and almost the whole of this excess was in the one item of salt. The excess, it may be added, is uniform for most of the great salt receiving marts. Thus there were shipped for—

		According to the returns at	
Salt shipped from Calcutta and Bhadessur for—		Nuddea.	Sahebgunge.
		Mds.	Mds.
Revelgunge	.. ..	156,075	140,957
Roshra	.. ..	170,375	126,032
Durbhanga	.. ..	61,875	46,391
Khageriah (Monghyr)	.. ..	78,200	39,379
Monghyr	.. ..	52,250	36,726

The difference seems to be all one way, and to be fairly regular; it may therefore possibly be that the heavier salt traffic sets in during the months of November and December, and that many salt vessels which passed Nuddea before the end of December 1872, did not reach Sahebgunge until January 1873. When a whole year's returns are available for both registering stations, this doubt will be cleared up.

19. The Matabangha river returns exhibit the trade between Calcutta and the districts on the Pudda (local name of the Ganges after the Bhagiruttee leaves it) and the Berhampooter rivers and their tributaries. The names of some of the large marts are not recognised by the Lieutenant-Governor, but we shall doubtless know more about them after the present figures have been published and circulated to district officers. The totals of the Matabangha trade are for the half-year:—

	Mds.
Down-stream traffic	2,325,410
Up-stream traffic	761,702

The principal articles of the down-stream traffic are:—

	Mds.
Rice	1,260,587
Jute	606,257
Pulses	220,040
Oil-seeds	57,608
Tobacco	12,611
Gunnies	86,537

Of the total traffic 1,945,013 maunds come to Calcutta. The only other marts which receive large shipments from eastern districts by way of the Matabangha are—

	Mds.
Hanskalee, which takes	40,241
Chandernagore (or Forasdanga as it is called in the returns)	262,170

This latter mart is said to take 251,370 maunds of rice alone, and the Lieutenant-Governor would be glad if the Hooghly officers could throw any light upon the circumstances of the Chandernagore trade.

The marts which send large shipments down the Matabangha are:—

Serajgunge, which sends	245,649	maunds of jute.
Potioram, " "	115,491	" of rice.
Hilee (on the Atrai), which sends	234,598	" of "
Koomargunge, " "	91,875	" of "
Booreedaha, " "	163,720	" of jute.
Booshee, " "	16,325	" of "
Chandgunge, " "	59,000	" of rice.
Kallygunge, " "	44,294	" of "
Chokgopal, " "	42,004	" of "
Fukeergunge, " "	77,162	" of "
Jeelem Bazar, " "	67,600	" of "
Gowalparah, " "	41,750	" of mustard seed.
Foolbaree, " "	33,525	" of rice.
Rangamuttee, " "	63,350	" of "
Paglee, " "	46,050	" of "
Hurreenarainpore, " "	47,600	" of "

The Lieutenant-Governor would be glad if the Commissioners of Rajshahye, Dacca, and Cooch Behar, would give some short notice of such of these marts as belong to their divisions. Serajgunge is really the only one of these marts which has more than a local reputation; Hilee has recently become known, because it is to be a station, and has always been held to be an obligatory point on the Northern Bengal Railway. But regarding the rest of the places there is little or no information available in Calcutta; yet on the list there are places which, like Booreedaha, send some thousand tons of jute to Calcutta in the season, and it would clearly be an advantage that the Calcutta public should know something more regarding the great produce marts of Eastern and Northern Bengal.

The up-stream traffic of the Matabangha was curiously small, barely one-third of the down-stream trade. The Lieutenant-Governor would be glad if the Toll Collector at Kishengunge could furnish in his next report his view of the reasons for this difference. Do the boats go back empty, or do they take return cargoes by some other route?

The two main articles of the up-stream traffic on the Matabangha were—

	Mds.
Salt from Calcutta ... ..	460,000
Miscellaneous from Calcutta ... ..	211,000

The only mart to which any large consignment of up-stream goods was sent is Serajgunge, which took 179,000 maunds of salt.

20. The statements of the trade of the Calcutta canals give no details of the places of destination or shipment. This omission should be remedied in future returns; the Lieutenant-Governor does not wish details of the trade to and from all the smaller marts, but he wishes to know the transactions of the larger places, and to have the transactions of the smaller places grouped according to districts.

The four returns from the Calcutta canals give:—

(1) The trade from Calcutta to the eastern districts *via* the canals, which amounts to 1,179,725 maunds, or 43,256 tons, in all for the half-year. Of this total 924,669 maunds were salt.

(2) The "trade to Behar and the North-Western Provinces." The precise meaning of this heading should be made more clear; possibly the return shows all the trade which goes from the Sunderbuns and the eastern districts to Western Bengal and places on the Hooghly above Calcutta. The total of the traffic shown in this return is 2,493,200 maunds, or 91,417 tons. Its principal items are—

	Mds.
Rice ... ..	597,700
Pulse and other cereals ... ..	162,500
Oil-seeds ... ..	84,970
Jute ... ..	965,100
Miscellaneous ... ..	232,700
Firewood ... ..	368,500



- (3) The trade from the eastern districts with Calcutta and its environs. The total of this trade is 8,517,635 maunds, or 312,823 tons, for the half-year. More than half of this total, or 4,494,585 maunds, was firewood from the Sunderbuns. Of the rest the chief items were—

	Mds.
Rice ... ..	1,191,020
Other cereals ... ..	260,225
Pulses, &c. ... ..	141,400
Oil-seeds ... ..	107,700
Jute ... ..	778,300
Cotton ... ..	90,770
Sugar ... ..	40,600
Hides ... ..	254,700
Miscellaneous ... ..	994,250

In the absence of information as to the places from which these Calcutta imports come, the figures are less instructive than they might otherwise be.

- (4) The trade "from Behar and the North-Western Provinces" to Calcutta and its environs through the Calcutta canals. The total of this return is 426,140 maunds, out of which 346,460 are shown as "miscellaneous." Without some account of the particular traffic shown in this table, its figures are not very intelligible.

21. Until the East Indian and Eastern Bengal Railway traffic tables and the river and canal returns for a whole year are available, it will not be possible to review the whole inward and outward trade of Calcutta by railways or by inland waters. Meanwhile some beginning towards ascertaining this trade has been made, and in another half-year or so the river and canal returns ought to be complete. The Lieutenant-Governor has submitted to the Government of India a statement of the traffic returns he would wish to receive and have published for general information regarding the East Indian Railway and Eastern Bengal and Mutlah Railways.

ORDERED that a copy of this resolution, with the appended tables, be furnished to—

The Agriculture, Revenue, and Commerce Department of the Government of India (by separate letter), with a recommendation that the Sahebgunge trade registry be continued for another year at any rate.

The Government of the North-Western Provinces for information.

The Board of Revenue, who will be asked to communicate the Lieutenant-Governor's remarks and instructions to the Toll Collectors on the Bhagiruttee, the Matabangha, and the Calcutta canals.

The Commissioners of the Burdwan, Presidency, Rajshahye, Dacca, Patna, and Bhaugulpore Divisions, and to all Magistrate-Collectors in those divisions; and to the sub-divisional officers of Rajmehal, Jungypore, Barh, Behar, Durbhanga, Hajeeppore, Tajpore, Buxar, Kissengunge, Begoo Serai, Soopool, Mudheypoorah, who will be invited to furnish, through the Commissioner of the Division, detailed information regarding the trade of the larger marts shown in the present returns, and to offer remarks on, or make corrections in, the figures or deductions set forth.

To the Agents of the East Indian Railway and the Eastern Bengal Railway.

To the Agents to the India General Steam Navigation Company.

By order of the Lieutenant-Governor of Bengal,

C. BERNARD,

*Offg. Secretary to the Govt. of Bengal.*

## APPENDICES.

## APPEN

Showing the amount of goods in standard maunds shipped at places above Sahabgunge for despatch

Places of shipment above Sahabgunge.	Rice.	Wheat.	Other cereals.	Pulses and gram.	Oil-seeds.	Jute.	Cotton.	Sugar.	Tobacco.	Spices, pepper, &c.	Miscellaneous vegetable produce.	Shells and other dyes.	Timber.	Breeds and brass-work.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Cawnpore														
Allahabad				2,070	14,873		1,805	60		460	140			
Mirzapore				550	22,505		37,480			125	3,330			
Benares								150		50	1,513			
Small places in the North-West Provinces above Benares				1,232	5,025		2,150			1,020	8,370	900		
Burhej (Jounpore district)		743		3,458	57,065			97,792		25	1,270			
Bellhore (ditto)					8,077			16,048			40		220	
Balla (Ghazepore district)				7,117	17,709		401	52,641	125	390	227			
Hajelpore (ditto)				3,183	9,021			22		130	509			
Ghazepore			1,400	1,538	6,278		1,290	16,000	845	42	825			
Saidpore (Ghazepore district)		800			1,700			500						
Moniar (ditto)					7,321			32,078		75	560			
Goruckpore				1,010	31,114			2,500	40	60	70			
Gola Gopalpore					55,700			2,236			568			
Oski (Goruckpore district)					10,101			100						
Small places in the North-West Provinces below Benares		481	10	2,307	6,317	30	20	10,350	1,720	155	1,042			
Small places in Oudh				10	14,553		200	1,000			872			
Sugar (Sahabad district)				70	11,200			3,245			18			
Arhara (ditto)		10	1,732	7,573	3,200			120						
Harsh Chuprah (ditto)			6,045		3,300			179						
Sera (ditto)		523	1,423	13,611	250				133					
Solunpore (Saran district)					7,935			6,200						
Chuprah (ditto)		1,475	4,609	1,439	24,863			12,463	10		1,082			
Gothee (ditto)			300					10,473	50		22			
Howelungge (ditto)		1,126	2,110	5,164	423,270		31	5,110	210	200	0,010			
Gunduck Sahabgunge (Tirhoot district)					425			1,031						
Alacuffpore (ditto)		235		584	2,212			450	404	485	880		100	12
Larkhungah (ditto)	25	100		1,009	52,217	30		4,744	353	60	926		11,550	
Hamoul (ditto)				400	6,343									
Patna														
Boulta (ditto)		562	60	2,770	332,970			8,203	4,819	132	5,775		0,120	
Hajepore (ditto)				705	120		64				525			
Saunastipore (ditto)		75		400	35,440				427		554			
Dinspore (Patna district)		858	5,370	17,007	0,093		100	1,270	744	2,578	7,004			
Barrh (ditto)		2,430		33,016	25,110		52	342	170		2,403		140	
Burhea (ditto)		1,440	1,255	25,520	2,970			090	373		100			
Patna		2,131	7,761	86,316	180,006		63	0,040	10,000	13,510	14,130	900		
Mokamch (Patna district)	1,000	2,300		14,210	14,084									
Bollowah (ditto)														
Small places in the Patna division north of the Ganges		0,211	425	10,363	27,229			15,834	8,760	30	2,018	300	600	
Small places in the Patna division south of the Ganges	50	1,134	3,729	16,878	10,567	30		1,044	534	240	1,015			1
Monghyr		74,053	3,155	68,250	72,713		17	1,064	2,745	652	8,949			5
Khagariah (Monghyr district)		40,036	300	2,740	112,595		5		1,278	25	754		11	
Sira (ditto)				3,000	40,371				600		54			
Norajgarh (ditto)		2,150	2,611	35,124	48,236			75			1,160			
Small places in the district of Monghyr		12,134	1,555	4,660	16,111		635	800	5,562		2,140		37	

## DIX. No. 1.

down the Ganges to places below the registering station during the second-half of the year 1872.

Other metals.	Ralt.	Hute.	Ghee.	Silk and silk goods.	Cotton goods.	Ceramics.	Miscellaneous.	Saltpetre.	Horns.	Total for second half-year.	Total for first half-year as per returns previously published.	Grand total for the whole year 1872.	Place of shipment above Sahibgunge
Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12,183	12,183	Cawnpore.
.....	.....	.....	.....	.....	908	.....	300	.....	120	21,837	.....	21,837	Allahabad.
.....	.....	.....	.....	.....	100	.....	45,305	.....	537	110,507	62,004	162,511	Mirzapore.
.....	.....	.....	.....	.....	1,248	.....	12,919	.....	.....	15,890	4,375	20,165	Benares.
.....	.....	.....	.....	.....	.....	.....	1,079	1,000	.....	20,815	.....	20,815	Small places in the North-West Provinces above Benares.
.....	.....	.....	42	.....	54	23	907	.....	.....	101,404	63,101	224,505	Benhej (Jounpore district.)
.....	.....	.....	.....	.....	.....	.....	5,264	.....	.....	27,600	10,020	37,620	Belthora (ditto.)
14	805	.....	311	.....	360	.....	29,004	700	.....	140,378	31,548	171,926	Balia Ghazee-pore.
.....	3,477	.....	252	.....	8	.....	.....	604	.....	13,100	.....	13,100	Bajetpore (Ghazee-pore district.)
1	1,178	.....	63	.....	187	.....	31,313	.....	.....	63,182	19,420	82,602	Ghazee-pore.
.....	600	.....	.....	.....	.....	.....	39,340	.....	.....	42,040	.....	42,040	Saidpore (Ghazee-pore district.)
.....	.....	.....	163	.....	4	2,802	1,292	2,902	.....	47,116	16,062	63,178	Moniar (ditto.)
.....	.....	.....	40	.....	.....	.....	53	.....	.....	35,301	.....	35,301	Goruckpore.
.....	.....	.....	31	.....	.....	.....	200	.....	.....	61,768	11,784	73,552	Gola Gopalpore (Goruckpore district.)
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10,501	.....	10,501	Oska (ditto.)
.....	1,400	204	48	.....	947	36	10,062	1,104	40	48,104	60,216	112,411	Small places in the North-West Provinces below Benares.
.....	.....	174	.....	.....	48	40	307	4,203	.....	21,411	.....	21,411	Small places in Oudh.
.....	.....	.....	.....	.....	.....	.....	1,875	.....	.....	16,415	.....	16,415	Buzar (Shahabad district.)
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12,644	.....	12,644	Barhara (ditto.)
.....	100	.....	.....	.....	.....	.....	105	50	.....	10,579	.....	10,579	Hardi Chuprah (ditto.)
.....	.....	.....	.....	.....	.....	.....	1,650	.....	.....	17,000	.....	17,000	Sena (ditto.)
.....	.....	.....	.....	.....	.....	.....	.....	18,918	.....	35,562	21,000	57,101	Solimpore (Sarun district.)
.....	15	.....	109	.....	33	.....	91	20,939	.....	73,002	10,771	83,963	Chuprah (ditto.)
.....	.....	.....	85	.....	.....	.....	.....	.....	.....	10,040	.....	10,040	Goteec (ditto.)
.....	2,340	.....	697	.....	84	.....	934	11,534	.....	400,390	60,409	460,799	Revelungoo (ditto.)
.....	.....	.....	.....	.....	.....	.....	.....	31,230	.....	32,636	15,401	48,177	Gunduck Sahibgunge (Tirhoot district.)
.....	3,916	1,452	.....	.....	.....	.....	1,180	22,445	9	35,130	.....	35,130	Moanerpore (ditto.)
.....	625	14,729	70	.....	.....	.....	352	23,053	1,128	111,001	44,071	155,132	Durbhungah (ditto.)
.....	.....	.....	.....	.....	.....	.....	.....	7,805	.....	14,948	.....	14,948	Kamtoul (ditto.)
.....	.....	.....	.....	.....	.....	.....	50	10,331	.....	16,391	.....	16,391	Poon (ditto.)
.....	.....	.....	3,521	.....	.....	.....	1,954	5,435	.....	871,001	20,137	891,138	Rohra (ditto.)
.....	2,075	.....	3	.....	.....	.....	20	16,567	.....	20,749	.....	20,749	Hajeepore (ditto.)
.....	.....	.....	4,000	.....	.....	.....	.....	800	.....	41,000	.....	41,000	Somostipore (ditto.)
.....	5,141	3,189	97	.....	159	.....	2,009	.....	773	54,114	13,922	68,036	Dinapore (Patna district.)
.....	705	184	354	.....	74	.....	372	3,385	.....	68,755	16,544	85,299	Barh (ditto.)
.....	.....	.....	73	.....	.....	.....	.....	.....	.....	82,144	19,018	101,162	Burha (ditto.)
.....	39,123	.....	721	.....	49	183	11,067	1,802	.....	326,534	67,100	393,634	Patna.
.....	40	.....	257	.....	.....	.....	.....	.....	.....	31,040	11,574	42,614	Mekameh (Patna district.)
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21,044	21,044	Bulowah (ditto.)
.....	7,185	1,388	240	.....	50	23	2,300	27,863	18	111,562	40,675	152,237	Small places in the Patna division north of the Ganges.
8	145	.....	79	.....	64	335	891	.....	.....	38,141	28,425	66,566	Small places in the Patna division south of the Ganges.
.....	1,810	.....	2,125	.....	.....	.....	4,823	1,706	.....	237,500	53,016	290,516	Monghyr.
.....	57	.....	2,904	.....	.....	.....	204	.....	.....	101,818	62,334	164,152	Khagariah (Monghyr district.)
.....	.....	.....	80	.....	.....	4,000	7	.....	.....	49,238	.....	49,238	Sira (ditto.)
.....	.....	.....	1,218	.....	.....	.....	915	.....	.....	99,484	10,500	110,004	Surajpore (ditto.)
.....	1,000	464	390	.....	30	.....	1,380	3,725	.....	47,001	8,563	55,564	Small places in the district of Monghyr.

## APPENDIX

Places of shipment above Sahelagunge.	Rice.	Wheat.	Other cereals.	Pulses and gram.	Oil-seeds.	Jute.	Cotton.	Sugar.	Tobacco.	Spices, pepper, &c.	Miscellaneous vegetable produce.	Shellac and other dyc.	Timber.	Brass and brass-ware.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Bhaugulpore ... ..	...	44,130	11,717	8,281	27,121	...	1,101	1,013	...	125	7,012	...	...	...
Colgong (Bhaugulpore district) ... ..	...	33,140	17,215	2,918	31,005	...	...	...	19	...	1,119	...	...	...
Balia Sahelagunge (ditto) ... ..	...	290	...	...	51,280	121	...	...	290	...	123	...	...	30
Dumree (ditto) ... ..	...	6,882	...	3,156	9,445	...	...	...	220	...	40	...	...	...
Sahagunge (ditto) ... ..	...	24,942	1,305	2,712	3,310	...	...	...	...	...	3,092	...	...	...
Peer Pointee (ditto) ... ..	100	7,275	40	07	10,113	...	...	...	...	...	121	...	2	...
Moorlegunge (ditto) ... ..	...	509	20	447	48,078	24	...	...	...	...	08	...	...	...
Small places in the district of Bhaugulpore ...	...	12,300	921	3,311	10,375	103	...	414	834	...	7,140	...	590	...
Purneah ... ..	1,001	1,201	...	770	3,139	693	...	...	8,400	...	10	...	...	...
Carragola (Purneah district) ... ..	856	9,405	540	5,202	26,014	253	...	...	590	133	770	...	...	...
Nowabgunge (ditto) ... ..	0	670	...	342	15,302	...	...	...	...	...	81	...	...	...
Knoose Sahelagunge (ditto) ... ..	1,932	767	15	474	20,408	1,300	...	...	450	...	335	...	664	...
Rameegunge (ditto) ... ..	...	1,000	...	...	14,556	204	...	...	4,781	...	300	...	...	...
Bhowanpore (ditto) ... ..	257	10,946	100	6,978	22,157	...	...	...	109	...	...	...	...	...
Kawalpore (ditto) ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Small places in the district of Purneah ...	2,116	4,060	818	3,450	31,038	60	...	60	1,266	223	9,110	471	160	...
Sahelagunge ... ..	300	2,171	439	3,172	1,900	33	187	82	242	31	1,007	131	382	4
Small places in the district of Bantahal Pergunahs ...	220	270	14	...	265	...	...	125	2	...	4,492	...	30	...
Small places not assigned to any district ...	231	11,218	1,223	4,583	54,762	...	160	10,615	2,002	167	5,330	...	723	...
Total for the second half-year ...	8,182	333,893	85,672	374,253	2,100,078	2,853	46,303	381,601	58,212	20,030	114,329	2,771	31,498	44
Total for the first half-year as per returns previously published ...	12,040	97,372	22,632	74,013	470,424	18,090	31,037	163,561	40,570	11,813	125,530	2,452	22,042	1,559
GRAND TOTAL FOR THE YEAR 1872 ...	20,222	431,265	108,304	448,266	2,570,502	20,943	77,340	545,162	107,781	32,763	239,859	5,223	53,540	1,503

(a) 44,094 maunds have been added on account of the weight



No. 1.—(Continued.)

Other metals.	Salt.	Hides.	Clas.	Silk and silk goods.	Cotton goods.	Gunies.	Miscellaneous.	Saltpetre.	Horns.	Total for second half-year.	Total for first half-year as per returns previously published.	Grand total for the whole year 1873.	Places of shipment above Sahabgunge.
Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	
.....	.....	.....	93	.....	20	.....	653	.....	.....	102,168	44,780	146,935	Bhangulpore.
.....	.....	.....	.....	.....	.....	.....	600	.....	.....	89,914	62,603	151,512	Colrong (Bhangulpore district.)
8	.....	720	300	.....	.....	.....	.....	1,000	22	54,372	44,320	98,103	Balia Sahabgunge (ditto.)
.....	.....	.....	40	.....	.....	.....	.....	.....	.....	19,815	.....	19,815	Dumree (ditto.)
.....	.....	.....	.....	.....	.....	.....	33	.....	.....	34,465	.....	34,465	Bihgunge (ditto.)
.....	119	.....	.....	.....	.....	.....	3,903	.....	.....	21,804	.....	21,804	Peer Pointee (ditto.)
.....	.....	.....	1,217	.....	.....	.....	.....	.....	.....	61,023	32,623	93,542	Moorlogunge (ditto.)
.....	104	3,012	221	.....	.....	.....	4,459	.....	101	50,752	53,967	103,559	Small places in the Bhangulpore district.
.....	200	.....	44	.....	.....	33,883	3	.....	.....	40,280	.....	40,280	Purneah.
.....	100	2,520	8	8	2	41,067	822	.....	13	69,377	58,959	143,329	Carragola (Purneah district.)
.....	.....	.....	172	.....	.....	.....	13	.....	.....	16,073	.....	16,073	Nowabgunge (ditto.)
.....	.....	.....	300	.....	.....	.....	2	.....	.....	31,700	12,006	44,312	Koosee Sahabgunge (ditto.)
.....	.....	.....	490	.....	.....	.....	75	.....	.....	21,400	11,277	32,687	Raneegunge (ditto.)
.....	12	182	17	.....	.....	.....	6	.....	.....	40,614	12,063	53,577	Bhowanipore (ditto.)
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21,325	21,325	21,325	Kamalpore (ditto.)
20	.....	80	196	.....	10	.....	1,732	.....	.....	45,760	32,042	77,811	Small places in the Purneah district.
30	1,701	.....	141	.....	300	33	2,334	.....	.....	17,390	11,250	28,639	Sahabgunge (Sonthal Pergunnaha.)
.....	.....	.....	.....	.....	.....	.....	2,821	.....	.....	6,346	.....	6,346	Small places in the Sonthal Pergunnaha.
.....	5,300	104	315	.....	.....	.....	10,080	7,302	.....	121,344	36,973	157,417	Small places not assigned to any district.
103	78,436	29,023	21,400	8	4,170	83,063	234,493	236,176	2,703	4,334,096	.....	.....	
16,851	10,174	58,793	18,377	284	537	21,800	53,225	80,812	21,197	.....	(a) 1,364,930	.....	
10,934	89,632	68,414	86,177	202	4,713	104,869	202,718	322,957	3,959	.....	1,364,930	5,610,616	

Hides being under-estimated in the returns of the previous half-year.

## APPEN

*Showing the alleged destination of the goods which were carried down the Ganges past Sahabgunge*

Destination below Sahabgunge.	Rice.	Wheat.	Other cereals.	Pulses and gram.	Oil-seeds.	Jute.	Cotton.	Sugar.	Tobacco.	Spices and pepper.	Miscellaneous vegetable products.	Stellar and other dye and paint.	Timber.	Brass and brass-work.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Old Sahabgunge	884	648	5	80	470				70		14,486			
Rajmahal				20	6,125		76	1,340	200		1,879			
Sahabgunge	4,918	2,909	701	3,461	23,125	749		739	4,411	249	2,842	416	100	
Small places in the Central Pargunnahs	1,000		8	20		6					2,700		100	
Maldah		1,819	6	10,610	8,765		1,174	78,471	878	1,134	4,009	160	845	1
Hareypore (Maldah district)	242	141	15	980	810	10	49	4,179		25	819	64	284	3
Small places in the district of Maldah	3	150		238	1,443		1,305	12,842	76	233	1,848		60	3
Small places in the district of Purneah	17	10	125	500	77		200	879		10	199	36	41	
Small places in the districts of Dinagapore and Rungpore		150		10	429		2,334	120	66		336		10	
Moorshedabad		294	298	497	18,633		4,450	3,380	3,674	400	3,180		430	
Jungpore (Moorshedabad district)				25	23,472		4,816	26,700	3,303	225	233			12
Jesore (ditto)		600			63,309	614	7,323	6,241	5,333	863	1,318	34		30
Doolan (ditto)		4,701		3,036	22,063		10	26,400	14,945	600	4,910	200		
Bhagwangola (ditto)														
Small places in the district of Moorshedabad		167	100		5,131		4,121	5,063	3,320	33	1,749		75	
Koachter (Nuddea district)														
Small places in the district of Nuddea				133	2,465		10	1,335		100	290			
Cuba (Burdwan district)		1,065		3,175	11,746				110	25	323			
Bhadour (Hooghly district)		25,520	265	12,535	233,041	236			1,682		3,967			
Small places in the districts of Hooghly, Burdwan, and Beerbhoom	4	3,371		1,501	10,012				3,285	34	920		11	
Chandernagore (French possession in Bengal)		1,700		325	190						300			
Calcutta	50	274,024	22,590	224,000	1,671,009	1,250	10,305	148,075	13,593	3,264	45,084	1,500	19,031	
Rappore Beaulah		254		1,700	3,174		90	42,840	1,030	307	5,486			5
Small places in the district of Jesore											1,000			
Berajgunge		40			500						14			
Small places between Rajshahye and Goalundo		109		250				70		6	81		76	
Dacca		6,471	542	26,949	1,636		6,109	6,237	686	4,566	6,062	276	290	
Small places in the district of Dacca		50	29	1,300	769		1,479	933		3,370	2,303	96		
Places in the Dacca division and Assam		64	40	1,701	6			871	829	238	4,653			1
Small places not assigned to any district	30	3		235	70	3	2,297	1,181	1,054		1,054		40	
Total	5,133	333,663	65,672	374,268	2,109,078	2,550	64,205	361,501	26,312	20,960	114,339	2,771	20,276	64

(a.) 44,094 maunds have been added on account of the weight of

## DIX No. 2.

during the second half of the year 1872. The quantities are expressed in standard maunds.

Other metals.	Salt.	Hides.	Olives.	Silk.	Cotton goods.	Ceramics.	Miscellaneous.	Salt-petre.	Horns.	Total of the second half-year.	Total of the first half-year as per previously published returns.	Grand total for the year 1872.	Destination below Sahabgunge.
Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	
.....	.....	.....	.....	.....	8	.....	77	.....	.....	10,090	.....	10,090	Old Sahabgunge.
.....	82	.....	4	.....	.....	.....	1,408	.....	.....	12,193	11,094	24,004	Rajmahal.
.....	1,106	22,034	14	8	86	79,804	2,008	1,021	603	104,303	84,670	238,773	Sahabgunge.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,894	6,071	9,965	Small places in the South Pergunnahs.
24	3,790	.....	981	.....	1,130	302	20,180	68	.....	120,004	79,038	215,048	Maldah.
23	2,035	.....	3	.....	183	23	607	.....	.....	12,655	14,421	27,076	Hayetpore (Maldah district.)
4	779	.....	69	.....	1,315	28	3,023	.....	.....	28,245	28,026	51,371	Small places in the district of Maldah.
3	60	.....	.....	.....	22	.....	900	.....	.....	3,070	1,476	4,546	Small places in the district of Purneah.
.....	.....	.....	13	.....	10	36	643	.....	.....	4,368	965	5,343	Small places in the districts of Dinagore and Rungpore.
.....	.....	.....	594	.....	.....	.....	4,246	.....	.....	40,189	33,283	73,402	Moorshedabad.
3	120	.....	161	.....	.....	1,749	2,384	.....	.....	62,276	42,384	104,660	Jungpore (Moorshedabad district.)
.....	554	.....	2,308	.....	.....	.....	13,998	20	.....	101,083	43,485	144,568	Jengung (ditto.)
.....	72	.....	5	.....	.....	40	5,745	.....	.....	60,465	92,133	151,618	Doorian (ditto.)
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	38,240	38,240	Bharwanga (ditto.)
.....	.....	.....	90	.....	.....	.....	2,008	.....	.....	39,612	9,006	47,906	Small places in the district of Moorshedabad.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17,244	17,244	Koushtes (Nuddea district.)
.....	1,300	.....	.....	.....	.....	.....	965	2,900	.....	61,558	2,354	12,022	Small places in the district of Nuddea.
.....	.....	.....	3	.....	66	.....	290	.....	.....	14,960	.....	16,960	Culina (Burdwan district.)
.....	.....	.....	4,656	.....	.....	.....	25	1,344	.....	209,022	60,011	269,073	Bhadest (Hooghly district.)
.....	.....	.....	330	.....	.....	.....	150	.....	.....	10,000	5,000	15,000	Small places in the districts of Hooghly, Burdwan, and Boerhoom.
.....	.....	.....	60	.....	.....	.....	270	.....	.....	3,000	.....	3,000	Chanderiagore (French possession in Bengal.)
5	49,063	6,908	11,537	.....	244	533	110,567	2,30,813	1,053	2,980,040	607,000	3,606,700	Calcutta.
.....	431	.....	203	.....	100	1,038	9,213	.....	.....	72,019	86,006	155,910	Rampore Beaulah.
.....	.....	.....	.....	.....	.....	.....	300	.....	.....	1,300	227	1,527	Small places in the district of Jessore.
.....	.....	.....	.....	.....	366	.....	9,380	.....	.....	10,290	.....	10,290	Serajungo.
2	.....	.....	7	.....	36	.....	2,108	.....	.....	2,677	3,340	6,017	Small places between Rajshahye and Gualundo.
.....	18,105	.....	218	.....	178	.....	22,508	.....	833	104,690	42,129	146,599	Dacca.
.....	616	.....	.....	.....	.....	.....	4,718	.....	.....	11,664	6,789	22,164	Small places in the district of Dacca.
.....	567	.....	5	.....	144	.....	3,024	.....	.....	11,748	2,653	14,301	Places in the Dacca division and Assam.
36	113	.....	.....	.....	.....	.....	475	.....	.....	6,666	1,389 (a) 44,054	7,285	Small places not assigned to any district.
103	79,453	29,023	21,400	8	4,176	53,063	239,408	230,175	2,763	4,264,173	1,389,581	5,653,750	

Hides being under-estimated in the returns of the previous half-year.

## APPENDIX

Showing the amount of goods in standard maunds shipped at places below Sahebgunge.

Places of shipment below Sahebgunge.	Rice.	Wheat.	Other cereals.	Pulses and gram.	Oil-seeds.	Jute.	Cotton.	Sugar.	Tobacco.	Spicea pepper.	Miscellaneous vegetable produce.	Shells and other dyes.	Timber.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Old Sahebgunge	1,133	18	570	243	381	209	1,534	312	6	20	2,000	25	2,796
Sahebgunge	5,707		501	2,100	300	201		145	10	31	2,802		3,743
Small places in the district of the Sonthal Pergunnahs	130,778	193	133	7,788	1,310	110		30	46	100	011		305
Hayatpore (Maldah district)	141,801		42	900		1,522							
Moochna (ditto)	63,330		170	7,824		3,303		173	23	800	3,234	0	
Maldah	14,018			88	320	10				25			
Nowahgunge (Maldah district)	42,507			330									
Nethpore (ditto)	37,177			800							40		
Rohimpore (ditto)	24,490					73			36				
Small places in Maldah district	7,704	5	300	10,218	180	350			4		417		
Small places in the district of Purneah	3,017	228	17	2,128	1,545	86			73		012		
Assanee (Dinagore district)	12,425												
Champatah (ditto)	11,145												
Dinagore	14,340					90							
Kalkamara (Dinagore district)	23,237					30							
Nyabassar (ditto)	23,243												
Nowabunder (ditto)	11,635			000									
Nowgong	22,844												
Small places in Dinagore district	1,540												
Small places in Rungpore district	1,305			400						400			
Dodhan (Moorshedabad district)	27,480	707	1,561	37,233		1,642			40	67	50		128
Jaugunge (ditto)	1,096			830		1,805				216	35	43	
Jungpore (ditto)	23,139	300	602	7,247		306					74		
Small places in Moorshedabad district	1,067		42	805		2	28		33		209	1	
Small places in the Burdwan division	2,580			323	00						58		
Small places in the Presidency division	4,000		950	235		190				184	280		
Bhadreswar	1,223										80		
Chanderagore (French settlement)	1,500												
Calcutta	27,728		31	1,900		3,047				2,277	50,555	3,023	
Kampong Hauleh	26,375			6,307							647		
Godaguroo (Rajahmundry district)													
Burdha (ditto)	163,798			5,430						18			
Small places in the Rajahmundry division across the Ganges	3,060			1,020		12				122	3,750		
Scrangunge (Pulna district)	13,989			300							30		
Dacca	203,208			710		1,442				1,010	2,377		
Small places in the district of Dacca	6,563			330		93				403			
Small places in the eastern districts	3,853	5		11		68							
Small places not assigned to any district	11,030	60	75	1,811	338					75	2,000		
Total of the second half-year	1,138,939	1,350	4,264	97,848	4,340	14,843	1,300	653	281	3,754	69,732	3,106	6,971
Total of the first half of 1873	1,594,008	126	5,060	60,399	6,653	4,334	25,806	195	134	3,097	54,007	9,242	1,300
GRAND TOTAL OF THE YEAR 1873	2,732,947	1,476	10,019	158,247	11,002	18,877	27,456	848	415	6,851	124,739	12,348	8,271

DIX No. 3.

at places above the registering station during the second half of the year 1872.

Brass and brass-work.	Other metals.	Salt.	Hides.	Silk goods and silk.	Cotton goods.	Gummes.	Miscellaneous.	Betelnut.	Total for the second half year.	Total for the first half year as per previously published returns.	Total for the whole year.	Places of shipment below Sahabgunge.
Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	
										36,121	36,121	Old Sahabgunge.
	3	1,250			248	3,126	9,331	4	23,383	44,323	63,706	Sahabgunge.
	2	57		21	2	3,733	678	53	30,386	14,348	24,780	Small places in the district of the Southal Pergunna.
		20	7		1	100	54	11	141,467	130,055	280,543	Hayetpore (Maldah district.)
						38			144,296	58,012	202,310	Moochna (ditto.)
	2			161	29	184,025	31	1,406	207,114	30,040	326,154	Maldah.
								123	15,094		15,094	Nowabgunge (Maldah district.)
									42,047	235,437	338,404	Netpore (ditto.)
							10		29,037	300,425	334,455	Rohaupore (ditto.)
33						23,550			66,494	62,193	117,677	Raipur (ditto.)
1		100				606			20,135	46,710	66,845	Small places in the Maldah district.
						2,100	60		10,210	6,363	16,573	Small places in the district of Purneah.
									12,425	60,120	94,551	Awanee (Dinapore district.)
									12,146		12,146	Champatah (ditto.)
		500							10,920		10,920	Dinapore.
									33,297	39,011	71,278	Kalkana (Dinapore district.)
									25,243		25,243	Nyabassar (ditto.)
									12,093		12,093	Nowabunder (ditto.)
									25,644		25,644	Nowgong.
									1,540	16,896	20,436	Small places in Dinapore district.
									2,100		2,100	Small places in Rangpore district.
		1,676				173	15		70,313	62,634	132,947	Doolian (Moorabulabad district.)
98	17	16,672		20	12	7,996	36	2,690	34,251	24,024	58,275	Jongunge (ditto.)
		50		18			507		44,300	228,640	272,940	Jungpore (ditto.)
	20	5,384			6	433	22	173	9,103	11,737	20,840	Small places in ditto.
125		3,300				183	400	8	7,333	1,404	8,737	Small places in the Burdwan division.
						9,696			15,573	150	15,723	Small places in the Presidency division.
		100,832				1,416		930	113,308	65,730	179,038	Bhadressur (Hooghly district.)
		125							1,033		1,033	Chandernagore (French settlement.)
25	16,556	610,129			83	10,100	13,683	7,683	741,157	390,303	1,137,460	Calcutta.
				50			133		41,096	44,086	85,079	Rampore Beaulah.
										51,096	51,096	Godaguroo (Rajahahye district.)
									171,264		171,264	Sarika (ditto.)
									13,023	12,712	25,735	Small places in the Rajahahye division across the Ganges.
									14,280		14,280	Serajunge (Pabna district.)
							6	0,124	319,987	220,281	440,268	Dacca.
								1,340	9,337	9,420	18,063	Small places in the district of Dacca.
								200	4,140	17,813	21,953	Small places in the eastern districts.
		100							15,570	9,116	24,686	Small places not assigned to any district.
277	13,003	750,904	13	253	240	233,161	27,093	23,831	2,480,714			
1,601	27,391	223,654	292	734	457	19,943	89,031			2,373,722		
1,958	40,994	1,153,338	305	977	696	273,104	117,044	23,951	2,435,714	2,373,723	4,809,437	



A P. F. E. N

Showing the alleged destination of goods carried up the Ganges past Sahabgunge

DESTINATION.	Rice and paddy.	Wheat.	Other cereals.	Pulses and gram.	Oil-seeds.	Jute.	Cotton.	Sugar.	Tobacco.	Spices and pepper.	Miscellaneous vegetable produce.	Shellac and other dycs.	Timber.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Alahabad .....													
Mirzapore .....	21,240			930		2,785				22	12,325	680	
Bonaria .....	68,180	800	810	3,404		155					170		
Small places in the N. W. P. above Ghazepore .....	2,380		980	1,010		80					2,890		
Burhej (Ghazepore District) .....	10,160	75		7,901							30		
Balthora (ditto) .....	25,351			7,774									
Bajotpora (ditto) .....	13,371			1,010		80							
Ghazepore .....	46,810		110	405				175					
Balia Ghazepore (Ghazepore district) .....	140,054			671		78					2,553		
Mouhar (ditto) .....	64,055			7,465		8							
Small places in the districts of Ghazepore and Goruckpore .....	32,474		54	804	40	314					80	22	
Gola Gopalpore (Goruckpore district) .....	12,124	612	694	8,600		270				8	1,200		
Small places in Oude .....	800			125									
Arrah .....													
Buxar .....													
Solimpore (Sarun district) .....	25		81										
Chuprah (ditto) .....	12,362			1,165									
Derigunge (ditto) .....	19,670												
Nahmedpore (ditto) .....	8,440			2,325									
Revelgunge (ditto) .....	70,023		215	2,903		110				74	78		
Chuprah Chuprah (ditto) .....	4,689												
Morufferpore (Tirhoot district) .....	4,379		100	3,411		243				300	172		
Barbhangah (ditto) .....	1,670		20	1,420		80				344	172	100	60
Hazipore (ditto) .....	16,659		45	1,273		25				33			
Jadigunge (ditto) .....	10,185	21		1,637									
Kohra (ditto) .....	6,013		65	10,278		1,303				20	25	30	
Somastipore (ditto) .....	4,631	125		4,551		300							
Small places in the Patna division north of the Ganges .....	23,903		10	3,042	20	371		125	36	84			10
Patna .....	339,041		481	7,506		3,643				2,478	30,165	1,175	
Nishan (Patna district) .....													
Barth (ditto) .....	26,014		205	2,800		678					500		
Idnapore (ditto) .....	69,150		8	910		1,141				273		948	
Mokameli (ditto) .....													
Small places in the Patna division south of the Ganges .....	24,496	30	40	445		157					111		
Monghyr .....	2,579		75	2,402		669			58	621	1,117	78	2
Gobindpore (Monghyr district) .....	9,050			300									
Kharasiah (ditto) .....	1,740			735		300				300	771		
Surajgarh (ditto) .....				200							1,160		
Small places in the district of Monghyr .....	7,231		875	1,200		181					50		
Bhaugulpore .....	1,075			2,010		440			6	684	2,585	50	1,500
Balla Sahabgunge. (Bhaugulpore district) .....	400			270						44	35	28	
Colgong (ditto) .....	2,814					41			40	36	306		
Moorleegunge (ditto) .....	200			300			20			65	17		4
Small places in the district of Bhaugulpore .....	5,767		45	805	110	25			8	60	2,043		20
Carragola .....	1,616		100	15		31	1,232	18	10	125	602	16	78
Koosoo Sahabgunge .....	8		7	25				10		50	54	10	1
Small places in the district of Purneah .....	2,790	57	42	283	234	192		148		125	1,650	84	4,300
Sahabgunge .....	17,401	380	563	3,680	3,005	1,328		80	131	320	3,203		
Small places in the Sonthal Pargannahs .....	2,678		12					180			71		
Small places not assigned to any district .....	7,704			675							103		10
Total .....	1,158,839	1,500	4,963	27,448	4,349	14,940	1,590	605	241	5,754	59,782	3,100	6,900

D X No. 4.

during the second half of the year 1872. Quantities are expressed in standard maunds.

Brass and brass-work.	Other metals.	Salt.	Hides & Horns.	Silk.	Cotton goods.	Gumms.	Miscellaneous.	Beet-nut.	Total of the second half-year.	Total of the first half-year as per returns previously published.	Total of the whole year 1872.	Destinations.
Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	
										23,350	23,350	Allahabad.
		800				3,733	8,212	2,905	63,194	144,016	197,210	Mirzapore.
									73,175	240,522	319,697	Bouares.
							650	1,175	8,825		8,685	Small places in the N.-W. P. above Ghazepore.
		6,653							25,019	14,943	39,963	Burhey (Ghazepore district.)
									35,123	27,730	60,853	Belthora (ditto.)
		3,876							17,843		17,843	Bajetpore (ditto.)
		3,550					185		51,251	148,464	199,715	Ghazepore.
		6,945					612	250	150,059	102,941	331,999	Balia (Ghazepore (Ghazepore district.)
		6,138						4	76,697	122,224	199,921	Moniar (ditto.)
	400	10,180			8		979	400	43,097	73,500	119,598	Small places in the districts of Ghazepore and Goruckpore.
	25	10,590					1,315		35,149		35,149	Gola Gopalpore (Goruckpore district.)
		11,290					200		12,494		12,494	Small places in Oude.
										10,380	10,380	Arrah.
										14,689	14,689	Bazar.
		15,880					50	100	16,046	20,325	36,371	Solimpoore (Saran district.)
		11,610						60	20,177	21,162	47,339	Chuprah (ditto.)
									19,670	6,703	26,373	Dorigunee (ditto.)
		250							11,015	41,840	52,855	Mohamedpore (ditto.)
	300	140,957				407		540	216,572	294,446	451,058	Revelungoo (ditto.)
		6,840						100	10,690	20,634	37,533	Chaurun Chuprah (ditto.)
		7,100				4,333	57	54	20,448	31,982	72,430	Mozufferpore (Tirhoot district.)
25	1,184	46,391			10		163	2,316	54,150	61,192	115,342	Durbhangaah (ditto.)
		1,400							19,324	11,001	30,325	Hatipore (ditto.)
		2,375							22,063		22,063	Lalgunge (ditto.)
	303	126,033				16,304		1,076	165,009	89,910	252,519	Roshra (ditto.)
		11,290				6,235			27,062	21,544	48,606	Somastipore (ditto.)
		35,147			5		34	016	64,356	53,516	117,872	Small places in the Patna division north of the Ganges.
	9,356	60,400				10,740	3,019	3,754	467,921	316,553	784,509	Patna.
						8				12,112	12,119	Sishon (Patna district.)
		6,678				1,930	550	100	37,406	53,216	90,721	Barrh (ditto.)
	100	123				463	221	73	73,038	58,160	131,704	Dinapore (ditto.)
										12,391	12,391	Mokameh (ditto.)
		8,103			12		15	25	32,304	32,756	65,060	Small places in the Patna division south of the Ganges.
	383	56,726				11,925	457	1,283	58,583	23,346	86,734	Monghyr.
									10,180		10,180	Gobindpore (Monghyr district.)
		29,579				3,250	3	1,631	48,161	35,097	83,168	Khagariah (ditto.)
		0,769				2,333			14,962		14,962	Suraigurh (ditto.)
	449	1,800							10,006	13,120	24,115	Small places in the district of Monghyr.
83	100	59,740		16	14	2,633	163	900	52,297	52,528	104,825	Bhaugulpore.
73	13	18,894			12	1,440	11	1,063	22,843	23,523	31,366	Balia Sahabgunge (Bhaugulpore district.)
		7,400							12,120		12,120	Colgong (ditto.)
	7	20,432			64	1,292	5	1,235	63,503	16,008	40,113	Moorcegunge (ditto.)
	39	6,390		13		307	376	400	16,290	19,627	33,917	Small places in the district of Bhaugulpore.
	54	6,786		04	18	1,178	7,238	35	29,347	66,530	78,777	Arragola.
20		8,560			16	270		1,053	10,090		10,090	Koese Sahabgunge.
125	393	22,180		5	163	1,608	1,503	1,404	34,094	26,218	62,212	Small places in the district of Purneah.
1		1,020	13	102	14	182,039	250	988	212,991		212,991	Sahabgunge.
		150					6		2,063		2,063	Small places in the Southal Pergunnah.
	43	1,790			4		815		11,227	18,001	29,744	Small places not assigned to any district.
377	13,911	730,404	13	233	340	233,161	27,093	38,631	2,435,714	2,563,912	4,999,626	

## APPENDIX No. 5.

River Traffic on the Ganges by the India General Steam Navigation Company's Steamers during the second half of the year 1872.

## DOWNWARD CARGO FROM PLACES ABOVE SAHERGUNGE.

PLACE OF SHIPMENT.	Wheat and other grains.	Seeds.	Cotton.	Shellac and Dyos.	Hides and Horns.	Saltpetre.	Miscellaneous.	Total for the second half-year.	Total for first half-year.	Total for the year 1872.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Allahabad	.....	2,318	.....	.....	2,134	.....	4,084	8,696	50	8,676
Mirzapore	.....	21,140	1,180	1,374	.....	1,197	429	23,340	22,800	55,300
Benares	.....	.....	.....	.....	.....	.....	30	10	.....	10
Ghaseepore	.....	630	239	.....	530	.....	14	1,403	140	1,440
Revelgunge	.....	.....	.....	.....	.....	.....	.....	.....	2,455	2,455
Dinapore	.....	.....	347	.....	204	.....	14	805	.....	805
Patna	.....	2,531	403	.....	.....	.....	15	4,039	3,008	7,135
Barh	.....	.....	.....	.....	.....	.....	.....	.....	297	297
Monghyr	.....	.....	.....	.....	.....	.....	.....	.....	1,280	1,280
Lukeepore	.....	.....	.....	.....	.....	.....	.....	.....	3,423	3,423
Caragola	.....	.....	.....	.....	.....	.....	.....	.....	1,038	1,038
Total of second half-year	.....	37,638	2,489	1,374	2,858	1,197	4,566	50,123	.....	.....
Total of first half-year	1,206	23,553	9,188	62	.....	206	1,729	.....	35,738	.....
GRAND TOTAL OF THE YEAR 1872	1,206	60,901	11,672	1,436	2,928	1,403	6,295	50,123	35,738	85,861

## APPENDIX No. 5.—(Continued.)

River Traffic on the Ganges by the India General Steam Navigation Company's Steamers during the second half of the year 1872.

## UPWARD CARGO FROM PLACES BELOW SAHERGUNGE.

PLACE OF DESTINATION.	Cocoanuts.	Metals.	Salt.	Miscellaneous.	Total for the second half-year.	Total of first half-year.	Total for the year 1872.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Allahabad	607	17,423	.....	10,093	28,123	23,081	51,503
Mirzapore	2,122	31,233	.....	4,482	37,837	23,786	61,623
Benares	.....	.....	.....	394	394	340	634
Ghaseepore	.....	.....	.....	374	374	363	1,506
Revelgunge	.....	536	6,790	465	7,791	23,696	31,587
Dinapore	.....	123	.....	2,313	2,436	1,170	3,606
Patna	.....	1,342	400	1,692	3,634	7,127	19,761
Bulowah	.....	1,560	.....	207	1,767	2,097	3,964
Monghyr	.....	1,917	.....	5,470	7,396	2,781	10,177
Boottangunge	.....	.....	.....	.....	.....	405	405
Rajooloo Ghât	.....	.....	.....	.....	.....	381	381
Total of second half-year	2,729	34,133	6,900	25,899	69,663	.....	.....
Total of first half-year	2,244	38,649	26,456	16,787	.....	56,446	.....
Total for the year 1872	4,973	72,782	36,726	42,686	69,663	56,446	126,109

**THE SUSPENSION AND DEGRADATION OF BABOO KHETTER PROSADH  
MOOKERJEE, B.L., MOONSIFF OF KANDI.**

No. 1021.

*Resolution of the High Court of Judicature at Port William in Bengal, under date  
the 17th June 1873.*

**PRESENT :**

THE HON'BLE SIR R. COUCH, Knight, Chief Justice.	
" HON'BLE L. S. JACKSON	...
" HON'BLE F. A. GLOVER	...
" HON'BLE W. AINSLIE	...

Judges.

Read again the following papers :—

A petition dated 26th March 1873, from Mohendro Narayn Singha and others, Pleaders of the Moonsiff's Court at Kandi, Zillah Moorshedabad, relative to the conduct of the Moonsiff, Baboo Khetter Prosadh Mookerjee, B.L.

A letter to the Judge of Moorshedabad, No. 974, dated 10th April 1873, directing inquiry into the truth or falsity of the charges brought against the Moonsiff.

A letter from the Judge, No. 328, dated 30th April 1873, reporting the result of his inquiry into the charges in question, and that he has suspended the Moonsiff pending that officer's explanation and the High Court's orders.

Read also the explanation submitted by the Moonsiff, forwarded with the Judge's memorandum No. 366, dated 21st May 1873.

**RESOLUTION.**

The cases noted by the Judge appear to show that the Moonsiff's judicial conduct has been marked by—

1. Lax and unsystematic procedure.
2. Disregard of the convenience of suitors and witnesses.
3. Habitual violation of law and principle in his mode of giving judgments with disregard of rules and orders in some other respects.
4. Neglect of his serishta.
5. Neglect of execution cases, reviews, and other miscellaneous matters in favor of original suits, which obtain more prominent notice.

The general defence set up is over-work

Allowing, however, all the weight which may be fairly claimed for such a plea, the Court consider that it would be giving it undue effect to accept it as a justification of the conduct above described.

Judges of all grades have been informed again and again that the quality of their work is the test by which their efficiency will be estimated; and consideration for suitors and witnesses has been pressed upon them incessantly. If any officer were called upon to explain a large arrear, and could in answer point to a fair return of business done to the satisfaction of litigants, as shown by paucity of appeals, to a clear and correct procedure, a well-arranged serishta, and good records, he would be considered as making out an unimpeachable case. If, with this knowledge, judicial officers prefer to aim at the reputation of being fast workers and getting through a large amount of business, they do so at their peril; and when despatch is accompanied by confusion in their offices, injustice to parties, and general discontent, then the error of judgment, in the opinion of the High Court, amounts to something like a disqualification for judicial office.

The errors into which the Moonsiff has fallen are chiefly those of temperament, and such as may, with self-control on his part, be corrected; he has hitherto borne a good character, and has doubtless been assiduous in the performance of his duties.

The Court therefore believe that a sentence of dismissal is not called for in this case, and that the Moonsiff is capable of rendering useful service.

Accordingly, in the exercise of the power vested in it by section 33 of the Bengal Civil Courts Act (VI of 1871), the Court are pleased to

ORDER,

that the suspension from office to which the Moonsiff, Baboo Khetter Prosadh Mookerjee, has been subjected by the Judge of Moorshedabad acting under section 34, be continued to the end of the current month of June 1873; and further that the said Moonsiff be, and hereby is, reduced to the 3rd grade of Moonsiffs.

Ordered that two copies of the foregoing Resolution be forwarded, one to the Judge of Moorshedabad for his information and guidance, and the other to the Moonsiff, Baboo Khetter Prosadh Mookerjee.

Ordered also that a copy of the foregoing Resolution, and of the correspondence upon which it is founded, be forwarded to the Secretary, Government of Bengal, in the Judicial Department, for the information of His Honor the Lieutenant-Governor.



PRICES CURRENT OF FOOD-GRAINS AND SALT IN THE UNDERMENTIONED DISTRICTS  
OF BENGAL ON THE 30TH JUNE 1873.

## Prices Current of Food-grains and Salt in the undermentioned

		QUANTITIES PER RUPEE																								
DIVISIONS	DISTRICTS.	WHEAT.						BARLEY.						RICE, BEST SORT.						RICE, COMMON.						
		Present return.		Next preceding re- turn.		Corresponding re- turn of last year.		Present return.		Next preceding re- turn.		Corresponding re- turn of last year.		Present return.		Next preceding re- turn.		Corresponding re- turn of last year.		Present return.		Next preceding re- turn.		Corresponding re- turn of last year.		
BENGAL.																										
Western Districts.																										
BURDWAN	1	Burdwan ...	21	0	15	0	15	0	25	0	25	0	21	0	20	8	18	0	22	12	31	4	19	8	38	4
	2	Bancoorah ...	15	8	15	8	13	8	22	8	23	0	20	0	14	0	16	0	18	13	16	0	19	0	20	10
	3	Beerbhoom ...	14	8	14	0	17	0	20	0	20	0	23	0	16	0	16	8	21	0	18	0	18	8	21	0
	4	Midnapore ...	11	8	11	4	13	4	...	...	12	0	20	0	20	0	18	8	25	0	25	0	25	0	26	0
	5	Hooghly ...	15	0	15	0	18	0	...	...	...	...	10	0	10	0	16	0	18	8	19	0	20	0	20	0
	6	Howrah ...	15	0	15	0	15	0	25	0	25	0	22	0	15	8	15	0	16	0	20	0	20	0	20	0
Central Districts.																										
PRESIDENCY	6	24-Pergunnahs ...	13	5	13	5	20	0	20	0	22	8	8	0	8	0	8	0	18	19	19	0	20	0	20	0
	7	Nudda ...	14	8	15	4	17	12	32	0	32	0	16	0	16	0	16	13	17	12	17	12	18	14	...	
	8	Jessore ...	13	5	14	8	19	0	...	...	...	...	18	0	18	0	20	0	25	8	25	8	25	8	...	
RAJSHAHY	9	Moorsheadabad ...	19	0	16	0	20	0	...	...	...	...	16	0	15	0	18	8	18	8	18	8	18	0	...	
	10	Dinagopore ...	14	8	14	8	23	8	22	8	22	8	20	0	20	0	23	0	24	0	24	0	28	0	...	
	11	Malda ...	18	0	18	0	20	0	35	0	40	0	38	0	17	8	21	0	24	0	18	0	22	0	25	0
	12	Rajshahye ...	15	0	16	8	18	14	32	0	32	0	26	4	15	0	16	0	16	14	21	8	21	0	24	0
	13	Rangpore ...	15	0	15	0	16	5	...	...	...	...	15	0	15	0	15	0	25	14	25	14	24	0	...	
COOCH BEHAR	14	Bograh ...	10	12	15	0	19	8	...	...	...	...	18	8	15	12	16	0	26	0	28	0	33	12	...	
	15	Pubna ...	20	0	20	0	23	0	...	...	...	...	12	0	12	0	15	0	26	4	26	4	28	12	...	
	16	Darjeeling ...	6	0	6	0	8	0	10	0	10	0	10	0	10	0	13	0	13	0	13	0	13	0	...	
	17	Jalpigore ...	11	0	11	0	...	...	...	...	...	13	0	12	0	...	...	16	0	16	0	...	...	...		
		Cooch Behar.*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Eastern Districts.																										
DACCA	18	Dacca ...	13	8	11	12	16	14	21	0	26	0	40	0	22	0	21	0	21	0	28	0	30	0	38	0
	19	Furzedpore ...	20	0	20	0	25	0	40	0	40	0	35	0	10	0	10	0	10	0	22	8	22	8	26	0
	20	Backergunge ...	...	...	...	...	...	...	...	...	...	...	13	0	13	0	19	0	20	0	26	0	26	0	...	
	21	Mymensing ...	12	12	12	12	14	0	...	...	...	...	24	0	24	0	21	0	30	0	32	0	32	0	...	
	22	Sylhet ...	10	0	8	0	10	4	11	8	11	8	11	8	24	0	22	0	24	8	34	0	32	0	40	0
CHITTAGONG	23	Cachar ...	8	14	8	14	9	0	...	...	...	...	24	10	26	10	24	10	26	10	30	8	32	0	...	
	24	Chittagong ...	11	0	13	0	13	0	...	...	...	...	16	0	16	0	14	0	21	0	24	0	23	0	...	
	25	Noakhully ...	...	...	...	...	...	...	...	...	...	...	18	0	17	0	18	0	25	0	24	0	26	0	...	
	26	Tipperah ...	11	0	10	0	13	0	...	...	...	...	20	0	20	0	20	0	26	0	31	8	32	8	...	
	27	Chittagong Hill Tracts ...	...	...	...	...	...	...	...	...	...	...	13	5	14	0	18	5	20	0	16	0	16	3	...	
		Hill Tipperah ...	10	6	10	6	10	5	...	...	...	...	22	8	24	2	23	1	26	6	30	4	37	0	...	
BEHAR.																										
PATNA	28	Patna ...	16	0	16	0	24	0	27	0	27	0	31	4	16	0	17	0	17	0	18	0	21	0	...	
	29	Gya ...	13	8	16	0	18	0	22	0	27	0	33	0	11	0	12	0	11	8	13	0	16	8	18	0
	30	Shahabad ...	15	0	16	0	18	0	22	0	24	0	14	0	14	0	11	0	11	0	16	0	16	0	...	
	31	Tirooh ...	13	0	14	0	16	0	25	0	25	0	27	0	17	0	19	0	18	0	17	0	17	0	15	0
	32	Saran ...	14	0	14	0	16	7	34	0	25	0	27	0	12	8	12	8	14	9	16	8	16	8	17	7
BHAGULPORE	33	Chumpanu ...	16	0	16	0	18	0	33	0	35	0	34	0	12	0	13	0	12	0	18	0	18	0	20	0
	34	Monghyr ...	17	8	19	9	17	8	31	5	36	8	31	2	12	6	12	6	12	6	16	8	15	7	16	4
	35	Bhagulpore ...	16	6	17	11	18	6	30	4	30	5	34	3	15	2	15	2	17	5	16	0	16	8	21	7
	36	Purneah ...	14	0	14	0	12	0	26	0	20	5	40	0	17	0	17	0	25	0	19	0	19	0	31	0
	37	Southal Pergunnahs ...	14	0	17	0	16	0	...	...	...	...	14	0	13	8	20	0	16	0	16	8	24	0	...	
ORISSA.																										
ORISSA	38	Cuttack ...	14	3	14	7	15	12	...	...	...	...	23	10	23	10	31	0	31	8	36	14	35	9	...	
	39	Pooree ...	17	1	14	7	14	7	...	...	...	...	21	0	22	5	17	1	31	8	34	2	33	10	...	
	40	Balasore ...	12	0	12	0	...	...	...	...	...	...	18	0	16	0	...	...	26	0	28	0	...	...	...	
CHOTA NAGPORE.																										
South-West Frontier Agency.																										
CHOTA NAGPORE	41	Hasarobaugh ...	13	0	15	8	19	12	22	0	31	0	24	8	10	12	0	12	8	15	0	16	0	21	0	
	42	Lohardugga ...	14	0	16	0	14	8	16	0	18	0	28	0	16	0	14	0	20	0	16	0	17	12	23	0
	43	Singbhoom ...	18	0	18	0	23	0	24	0	24	0	37	0	20	0	20	0	...	...	23	0	23	0	27	9
	44	Maunbhoom ...	15	0	16	0	15	0	24	0	28	0	24	0	16	0	16	0	17	0	21	0	22	0	24	0
ASSAM AND ADJACENT HILLS.																										
ASSAM	45	Gowalpara ...	26	8	26	0	20	0	...	...	...	...	16	0	16	0	18	4	20	0	22	0	20	0	...	
	46	Kamroop ...	13	8	13	0	20	0	...	...	...	...	14	0	16	0	10	0	20	0	20	0	26	0	...	
	47	Durrung ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	48	Nowgong ...	16	0	16	0	16	0	...	...	...	...	12	0	12	0	12	0	18	0	18	0	16	0	...	
	49	Sebsaugor ...	13	0	13	0	13	0	16	0	16	0	16	0	8	0	8	0	16	0	19	0	12	0	24	0
	50	Lukhimpore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	51	Naga Hills ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	52	Khasi and Jynteah Hills ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	53	Garo Hills ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	

\* Return not received.

CALCUTTA,  
The 8th July 1873.

Districts of Bengal on the 30th June 1873.

BY THE SEER OF 80 TOLAH8.

BAJRA.			JOWAR.			GRAM.			RAGI OR MURWA.			MAIZE OR INDIAN CORN.			SALT.			REMARKS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	
27 0	27 0	26 10	36 0	36 0	26 0	21 0	23 0	22 0	...	...	...	...	...	...	8 2	8 4	8 14	
...	...	...	...	...	...	23 0	23 8	17 10	...	...	...	...	...	...	7 12	8 0	8 13	
...	...	...	...	...	...	21 8	22 0	24 11	...	...	...	...	...	...	8 12	8 12	8 14	
...	...	...	...	...	...	18 0	17 12	18 12	...	...	...	...	...	...	8 0	8 0	8 8	
...	...	...	...	...	...	20 0	20 0	18 0	...	...	...	...	...	...	9 0	9 0	8 0	
...	...	...	...	...	...	20 0	20 0	22 0	...	...	...	...	...	...	9 0	9 0	9 0	
...	...	...	...	...	...	19 0	20 0	26 0	...	...	...	...	...	...	8 8	8 12	8 12	
...	...	...	...	...	...	26 11	26 11	26 10	...	...	...	...	...	...	8 14	8 14	8 14	
...	...	...	...	...	...	20 0	21 0	21 0	...	...	...	...	...	...	8 0	8 0	8 0	
...	...	...	...	...	...	27 0	27 0	27 0	...	...	...	...	...	...	9 0	9 0	8 8	
...	...	...	...	...	...	18 12	18 12	19 4	...	...	...	...	...	...	6 8	6 8	7 0	
...	...	...	...	...	...	24 0	24 0	23 0	...	...	...	...	...	...	7 4	7 8	8 0	
...	...	...	...	...	...	22 8	22 8	...	...	...	30 0	...	...	...	7 4	5 12	...	
...	...	...	...	...	...	13 0	15 0	16 5	...	...	...	...	...	...	6 12	6 4	7 8	
...	...	...	...	...	...	16 12	17 12	22 8	...	...	...	...	...	...	6 12	6 12	8 0	
...	...	...	...	...	...	20 4	20 4	31 0	...	...	...	...	...	...	8 0	7 12	8 0	
...	...	...	...	...	...	8 0	10 0	8 0	12 0	12 0	12 0	20 0	20 0	20 0	4 0	4 0	4 8	
...	...	...	...	...	...	13 0	13 0	...	...	...	...	...	...	...	6 0	7 0	...	
...	21 0	...	...	...	...	19 0	20 0	16 14	...	...	...	...	...	...	8 0	9 0	8 13	
...	...	...	...	...	...	18 0	18 0	25 0	...	...	...	...	...	...	7 8	7 8	7 12	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8 0	8 4	8 0	
...	...	...	...	...	...	19 0	20 0	16 12	...	...	...	...	...	...	7 8	7 8	8 4	
...	...	...	...	...	...	16 0	20 0	20 0	...	...	...	...	...	...	7 10	6 4	8 0	
...	...	...	...	...	...	13 5	12 4	16 0	...	...	...	...	...	...	7 9	7 9	8 0	
...	...	...	...	...	...	11 0	12 0	13 0	...	...	...	...	...	...	7 8	7 8	7 8	
...	...	...	...	...	...	16 0	16 0	14 0	...	...	...	...	...	...	7 8	7 8	8 0	
...	...	...	...	...	...	16 0	16 0	18 0	...	...	...	...	...	...	8 0	8 8	9 0	
...	...	...	...	...	...	11 4	11 4	10 2	...	...	...	...	...	...	6 4	6 4	6 8	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7 2	8 0	7 8	
...	...	...	27 0	28 0	34 8	26 0	28 8	35 0	...	...	...	...	...	...	8 0	8 0	8 0	
...	...	...	...	...	...	19 0	22 0	24 0	...	...	...	...	...	...	6 10	7 0	7 4	
...	...	...	...	...	...	26 0	26 0	28 0	18 0	...	...	18 0	...	...	7 12	8 0	8 0	
...	...	...	...	...	...	22 0	22 8	20 0	...	30 0	...	28 0	30 0	...	7 4	7 4	7 0	
...	...	...	...	...	...	24 0	25 0	23 8	31 0	32 0	...	22 0	22 0	...	7 4	7 4	8 8	
...	...	...	...	...	...	26 0	20 0	22 0	...	...	...	32 0	32 0	...	6 12	6 12	7 0	
...	...	...	...	...	...	28 3	29 4	28 8	...	...	...	29 4	16 8	20 9	7 3	7 3	7 8	
...	...	...	...	...	...	24 8	26 6	28 7	...	...	...	...	...	...	7 9	7 9	7 9	
...	...	...	...	...	...	23 0	23 0	30 0	...	...	...	...	...	...	8 5	8 5	7 5	
30 0	40 0	40 0	...	...	...	20 0	21 0	22 0	...	...	...	30 0	29 0	35 0	8 0	8 0	8 0	
...	...	...	...	...	...	26 4	26 4	27 10	...	...	...	...	...	...	9 2	9 0	9 0	
...	...	...	...	...	...	24 15	23 10	18 6	...	...	...	...	...	...	9 0	9 0	8 10	
...	...	...	...	...	...	10 0	10 0	...	...	...	...	...	...	...	7 0	7 0	...	
...	...	...	...	...	...	16 0	17 0	20 0	27 0	27 0	27 0	20 0	19 8	28 8	6 0	6 8	7 0	
...	...	...	...	...	...	18 0	18 0	14 0	36 0	40 0	...	20 0	20 0	30 0	5 8	6 0	5 8	
...	...	...	...	...	...	18 0	18 0	19 0	...	...	...	...	...	...	6 0	6 0	6 0	
...	...	...	...	...	...	20 0	20 0	14 0	...	...	...	40 0	40 0	40 0	7 5	7 0	7 4	
...	...	...	...	...	...	16 0	13 0	16 0	...	...	...	...	...	...	7 12	7 0	8 0	
...	...	...	...	...	...	9 0	10 0	9 0	...	...	...	...	...	...	8 0	7 0	8 0	
...	...	...	...	...	...	8 0	8 0	10 0	...	...	...	...	...	...	6 8	6 8	7 0	
...	...	...	...	...	...	8 0	8 0	8 0	...	...	...	...	...	...	6 0	6 0	6 0	

Published for general information.

R. KNIGHT,

Asst. Secy. to the Govt. of Bengal.

## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 6th July 1878.

No.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
<b>BENGAL.</b>						
<i>Western Districts.</i>		1873.				
BARDWAN DIVISION.	1 Bardwan	July 8th*	3.28	Weather hot	Aus crops much injured. More rain wanted.	
	2 Banccorah	" 5th	1.43	Showery	The rains having regularly set in, the general prospects of the crops are much brighter. Those which had been suffering are rapidly recovering.	
	3 Beerbhoom	" 5th	3.86	The rains set in on Monday afternoon and there has been more or less rain every day since; wind easterly and southerly.	The rain which was greatly wanted has done much good, and if it continues the late rice crop will be all safely sown. The nursery rice has however suffered from the heat of last month, as also sugarcane.	
	4 Midnapore	" 5th	4.09	Considerable rainfall in portions of the district, less than an inch in other portions.	Had the rain which has fallen at the sudder station been general, the week would have been a very favorable one; but from all the subdivisions the reports are discouraging, and continued absence of heavy rain will be very serious.	
	5 Hooghly	" 5th	2.65	Clear and cloudy, cooler than last week; good showers of rain, wind south and south-east.	The aus paddy has been in places destroyed for want of rain; the late rain will save some part of the crop. Sowing of amun dhan going on, and is nearly finished in most places.	
	Howrah	" 5th	1.56	Cloudy and cool. It rained more or less for four days throughout the district, except at Bagman and Oolobereah, where it fell only on two days.	The rain has done much good both in enabling the ryots to prepare the lands as yet unsown and in reviving the crops that had commenced to wither.	
<i>Central Districts.</i>						
PRESIDENT DIVISION.	6 24-Pergunnahs	" 8th	2.63	The rains have at last fairly set in, and the weather has been cooler.	Aus and jute crops much benefited by the rain that has fallen, but more is wanted for the amun cultivation.	General health good. Cholera has abated at Banccorah; one case reported at Barrackpore.
	7 Nuddea	" 5th	0.52	Cooler than in the previous week, but still dry and hot.	Slight showers have fallen, of course they have done good, but rain is very much needed; the crops have struggled through so far better than could have been expected.	Locusts have passed through the north of Meherpore subdivision on the 26th and 27th June, doing some damage; they went on in north-west direction. Public health is pretty good.
	8 Jessore	" 5th	0.07	Hot and sultry; clouds have gathered almost daily, but little or no rain fallen; wind generally south.	The indigo in the Jhenidah sub-division and the rice crops throughout the entire district are suffering much from want of rain.	
RAJSHYEE DIVISION.	9 Moorshedabad	" 5th	1.11	There have been showers of rain all over the district. Temperature less oppressive.	The rain has done much good and the crops are looking well. Indigo prospects are more promising. Not much damage was done by locusts. The crops affected will probably recover with rain.	
	10 Dinagepore	" 5th	1.68	Showers have fallen occasionally, but there has not been anything like heavy rain, and the weather has been very close and steamy.	More rain is much wanted for all crops.	

\* Telegram of the 8th July received on the same day.

No.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
<b>BENGAL.—(Contd.)</b>						
<i>Central Districts.—(Contd.)</i>		1873.				
RAJSHAHY DIVISION.—(Contd.)	11 Maldah	July 5th	0·67	Cloudy; strong easterly winds, alternating with sultriness. Average rainfall of last three years, from January to 5th July ... 17·32 Actual ditto from 1st January to 5th July ... 6·95	The bhadoi dhan crop will be a short one and a late one, and for the amun dhan more rain is much needed.	
	12 Rajshahye	" 5th	1·17	Only two showers of rain fell. There were strong breezes every afternoon and evening.	The prospects of jute and of the aus rice crops are not favorable owing to the want of rain. Mulberry and indigo are also suffering for want of moisture.	
	13 Rungpore	" 5th	0·14	Hot and cloudy	Crops look well to the south; elsewhere rain is much wanted.	
	14 Bograh	" 5th	0·57	Slight showers have fallen. more rain is required. Weather not so hot as it has been.	The reaping of a part of the aus crop has commenced and the amun crop is being sown. The aus crop is fair, but has been affected by the want of rain.	
	15 Pubna	" 5th	0·17	Hot and cloudy at times; there was only a slight rainfall on the 4th instant.	State and prospects of the aus and indigo crops are bad for want of rain, which is very much wanted.	
COOCH BEHAR DIVN.	16 Darjeeling	" 5th	1·92	Daily showers of rain during the week, but the total fall has been much less than the average at this time of the year.	The crops have not apparently suffered seriously as yet. The weather has been favorable to tea, but more rains would be desirable. In the neighbourhood of Kursiong, some damage has been done to the growing Indian-corn, especially by locusts.	Flight of locusts passed over the district.
	17 Julpigoree	" 5th	3·52	Cloudy and showery; no heavy rain, but sufficient for the wants of the crops.	Bhadoi dhan and jute very good.	A flight of locusts alighted in Pergunnah Madara near Frlacotta on 26th June, but did little harm.
	Cooch Behar	" 5th	2·63	Cloudy, with occasional showers.	Favorable.	
<i>Eastern Districts.</i>						
DACCA DIVISION.	18 Dacca	" 8th*	1·97	Not sufficient rain for the season, and showers very local.	Prospects of crops good; but more rain would do good.	
	19 Farreedpore	" 5th	0·08	Hot and close; at times gusty.	Crops are suffering greatly from the continued want of rain, aus especially. Rivers fallen slightly.	
	20 Backergunge	" 5th	3·33	Showery; very hot in the early part of the week.	The rains have been unusually late and scanty this year, and fears are entertained for the safety of the aus crop; the transplanting of amun has also been delayed by the injury done to the plants by the drought; altogether the prospects of the crops are not fair at this date.	
	21 Mymensing	" 5th	2·90	Showery, but without heavy rain, and hardly any rain in the western part.	More rain is wanted for the amun rice, especially in the north, west, and north-west of the district. The reaping of aus rice has begun in some places.	
	22 Sylhet	June 28th	12·41	Wet and cool; very heavy rainfall on Saturday night and Sunday morning.	Good. Cutting of the aus and the dumaahi crops commenced.	
	23 Cachar	" 28th	8·66	Hot, with occasional showers of rain.	Not enough rain yet; very little aus dhan has come up, but it is an unimportant crop here.	

\* Telegram of the 6th June received on the same day.

No.	District.	Date of return from each district.	Rainfall at Sudder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
<b>BENGAL.—(Contd.)</b>						
<i>Eastern Districts.—(Contd.)</i>		1873.				
CHITTAGONG DIVISION.	24 Chittagong	June 28th	1.10	Generally hot and hazy; a squall of rain, with thunder and lightning, on the night of the 24th June. A few drops of rain on the forenoon of the 28th.	The rain has not yet been sufficient for ploughing some of the higher levels. The lower lands are wet enough at present, but more rain is wanted soon. Field work progressing.	A few cases of cholera still reported from the interior. Dengue fever reported from Cor's Bazar and the subdivision generally.
	25 Noakhally	" 28th	1.22	The weather has been for the most part fair and hot, with occasional overcasts and showers of rain.	The sowing of aus dhan completed, and that of aman commenced.	
	26 Tipperah	July 5th	2.97	Bright and hot, but cool and strong breeze from the south.	Rice and jute doing well.	
	27 Chittagong Hill Tracts	June 28th	0.52	The first part of the week was rainy, and weather has been cool and seasonable throughout the whole week.	The sowing of paddy and cotton in jouns has nearly been finished. Prospects of crops good. Flat lands now being ploughed.	
	Hill Tipperah	" 28th	1.46	Very hot	Ploughing and sowing still going on. Prospects good.	
<b>BEHAR.</b>						
PATNA DIVISION.	28 Patna	July 5th*	0.07	Weather very hot and unseasonable. No rain except a few showers to the east and west of the district.	Bhadoi crops are greatly suffering from drought.	Cholera still prevails though not in an epidemic form.
	29 Gya	" 5th	0.35	Cloudy, fair, and fine	Rain much required; crops generally still unsown.	
	30 Shahabad	" 5th	0.35	Weather very unseasonable; wind variable. Rain has fallen in small quantities and at intervals; very hot at times.	This continued drought is most unfavorable to the prospects of the bhadoi and aghany crops. General and continuous rain much wanted.	Cholera on the increase. Prices high in the bazar.
	31 Tirhoot	" 5th	1.45	Hot and cloudy; rains set in during the week.	In the north of the district there have been beneficial showers of rain; indigo, sugarcane, &c., coming on well. Nearly all the lands usually sown for bhadoi crop are sown down. In places transplanting of dhan has commenced; the bhadoi crops are suffering very much from want of rain.	A flight of locusts went across the southern part of the Tajpore Sub-division and eventually crossed the Gunduck into Sarun.
	32 Saran	" 5th	0.02	Weather sultry; prevailing wind east; slight rain in some places.	The crops on the ground are being burnt by the heat; rain is being anxiously looked for bhadoi and khureef sowings. Slight rain fell within the jurisdiction of thanaha Musbruck and Pura in the Sudder Sub-division and in parts of Sewan Sub-division.	Cholera in a mild form has broken out in the town and in some places in the interior. Small-pox on the decrease.
BHAGALPORE DIVISION.	33 Champaran	" 5th	1.0	Sultry; cloudy now and then; a small quantity of rain fell during the week.	Rain still required.	
	34 Monghyr	" 5th	0.65	Cloudy. Rain shortly expected.	Decidedly bad; the bhadoi crop is very backward; the little rain which has fallen however has kept the crop sown early in June alive and enabled the ryots to break up lands. All depends on rain within a few days.	Large flights locusts.
	35 Bhagalpore	" 5th*	0.17	Very cloudy. Heavy rain over 3 inches reported from Mudhepoora and Colgong. Rain very local, and as a rule utterly insufficient.	All crops are much behind-hand, especially in Sudder and Banka sub-divisions. Seedling rice withering.	Locusts crossed extreme north of the district on the 28th June without doing any damage. Small-pox decreasing.
	36 Purneah	" 5th	2.33	More seasonable	More rain wanted.	
(17)	Sonthal Pergannahs	" 5th	2.7	Rain has fallen pretty generally, but short in quantity for the time of the year.	General and bhadoi crops very backward, and prospect of these crops far from good. Young Indian-corn damaged in places.	Locusts have done a good deal of damage in places to young Indian-corn.

\* Telegram of the 6th July received on the same day.



No.	District.	Date of return from each district.	Rainfall at Bulder Station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
ORISSA.						
1873.						
ORISSA DIVISION.	38 Cuttack	July 8th*	2.07	Weather cool	Prospects excellent.	
	39 Pooree	June 28th	0.15	Excessively hot and cloudy with south wind.	Daboa crop fully harvested in pergunnah Bahang. Sarad seed being sown in certain pergunnahs, and the seed which has come up last week is suffering from want of rain. Seed grains sown in pergunnahs Kotahang and Lumbai have come up and seem promising. Beati being sown. Sugarcane being earthed up and cotton being gathered in some places. Khurda sub-division: young paddy requires rain; sowing still going on, but mostly finished.	Cholera prevalent in the town of Pooree.
	40 Balasore	July 5th	2.98	Cloudy, with constant showers of rain.	Crops above ground; weather highly favorable; sowings all completed.	
CHOTA NAGPORE.						
South-West Frontier Agency.						
	41 Hazareebagh	.. 5th	1.73	Unseasonable and hot; only one short heavy downpour of rain on the 2nd instant.	The late rains have done much good, but the seed in the ground still requires much rain.	Cholera on the Grand Trunk Road. Scattered cases of small-pox reported from all thanahs.
	42 Lohardugga	.. 5th	1.10	Much cooler, air very damp, but there has been very little rain.	In Chota Nagpore Proper the crops which have been sown are being dried up for want of rain, while in Palanow all ploughing has been stopped, and the prospects are very gloomy.	
	43 Singhbhum	June 28th	0.11	No rain, exceedingly hot and dry. Rain most urgently wanted.	Paddy sowings completed, but serious fears are entertained for the growing plants. If the rains hold off much longer, most of the sowings will perish.	
	44 Maunbhum	July 5th	0.46	Showery ...	The rain which has fallen during the week has done much good, but in some places has been very slight. The Indian-corn crop has been lost, and only a short crop of gunduli, kangani, kheriberi, and moong can be looked for. More rain wanted.	Cholera and small-pox decreasing.
ASSAM AND ADJACENT HILLS.						
	45 Goalparah	June 28th	0.88	The first part of the week was cloudy and rainy, and the latter part sunny and very hot.	Reaping of early asu dhan continues; weather is favorable to all crops on the ground.	A shock of earthquake at about 7 P. M. of the 27th June followed by another shock at about 8 P. M. Public health good.
	46 Kamrup	July 7th†	3	Weather sultry, with occasional showers of rain.	Aus crop is being reaped; prospects of tea, cotton, and sugarcane favorable; shulee dhan is being sown in nurseries.	Public health good.
	47 Darrung	June 28th	1.51	Sultry, heavy fogs, little or no breeze.	Ploughing going on, more sun required for drying tea and for the growth of the sugarcane shoots.	Fever prevalent, but not many deaths. Rivers very full. Small-pox and cholera also reported.
	48 Nowgong	.. 28th	1.77	Weather reasonable; smart showers at intervals.	The aus and hao dhan crops doing well; weather very favorable for tea operations just now.	
	49 Sochaugor	.. 28th	1.7	Generally fair, with a few showers.	Rain still much wanted for rice cultivation, which is thrown back in consequence. Tea doing well.	Cattle disease still prevails.

\* Telegram of the 8th July received on the same day.

† Telegram of the 7th July received on the 8th.

No.	District.	Date of return from each district.	Rainfall at Sudder station in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
ASSAM AND ADJACENT HILLS.—(Contd.)		1873.				
50	Luckimpore	June 23th	0.45	Very little rain during the week. Days alternately cloudy and sunny. North Luckimpore—season quite unsettled, sometimes drizzling rain.	Prospects of crops good	Cholera abated on the south, but still continues in some parts of North Luckimpore.
51	Naga Hills	" 21st	5.18	Seasonable	The rain of the week has greatly improved the prospects of the crops.	
52	Khasi & Jynteah Hills	" 28th	1.14	Fair, with occasional rains.	The prospects of the crops look well; new potatoes just coming to market.	Cholera disappeared since last week.
53	Garo Hills	" 28th	0.23	Very little rain, but good deal of wind during the week.	Crops are doing remarkably well.	

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 8th July 1873.R. KNIGHT,  
Asst. Secy. to the Govt. of Bengal.

## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISION.	DISTRICT.	STATION.	Rain from 15th to 21st June 1873.	Rain from 22nd to 28th June 1873.	RAIN FROM 1ST JANUARY 1873.		REMARKS.
					Inches.	Up to date.	
BENGAL.							
BUREWAS.	WESTERN DISTRICTS.		Inches.	Inches.	Inches.	1873.	
	Burdwan	Burdwan	2.40	0.61	15.12	28th June.	
		Cutwa	2.10	Nil	12.73	ditto.	
		Culina	0.82	Nil	8.66	ditto.	
		Blood-Blood	1.61	0.20	11.30	ditto.	
		Ranecungra	2.73	0.02	8.20	ditto.	
	Ranecorah	Jahanabad	0.33	0.81	8.68	ditto.	
		Ranecorah	1.35	0.38	12.30	ditto.	
		Soopie	1.27	Not rec.	6.10	21st June.	
	Rearbhoom	Midnapore	1.06	3.02	18.78	28th June.	
		Tumlook	0.91	1.02	9.68	ditto.	
		Guribetta	0.70	1.00	11.61	ditto.	
	Midnapore	Dy. Collr.'s Office	2.29	1.75	9.61	ditto.	
		Captal	0.31	1.61	12.31	ditto.	
	Hooghly	Hooghly	0.31	1.61	12.31	ditto.	
	Howrah	Howrah	0.71	0.37	16.73	ditto.	
PRESDIV.	CENTRAL DISTRICTS.						
	24-Pergunnahs	Saugor Island	1.20	0.50	9.53	ditto.	
		Calcutta	0.90	6.38	11.10	ditto.	
		Allpore (Dispensary)	1.13	0.34	10.87	ditto.	
		Allpore (Jail)	0.95	0.50	10.86	ditto.	
		Bussacchaut	4.61	Nil	11.32	ditto.	
	Nudda	Barnet	1.00	0.72	7.21	ditto.	
		Diamond Harbour	0.21	0.45	10.31	ditto.	
		Barrapore	1.53	0.08	12.86	ditto.	
		Sakherah	4.12	2.33	16.85	ditto.	
		Barrackpore	0.29	0.10	10.71	ditto.	
	Jessore	Dum-Dum	1.09	0.04	9.27	ditto.	
		Kishanghur	0.93	0.61	11.24	ditto.	
		Bongong	2.39	0.22	11.78	ditto.	
		Melchorpore	1.86	0.18	11.18	ditto.	
		Choudanagah	0.65	0.30	12.23	ditto.	
RAJSHAHY.	Moorshedabad	Kooshten	0.15	0.05	11.75	ditto.	
		Ranachut	1.50	0.18	9.51	ditto.	
		Jessore	6.34	2.10	15.33	ditto.	
		Kural	4.17	1.06	10.87	ditto.	
		Khoolnash	6.30	0.10	21.82	ditto.	
	Dinapore	Jemidh	2.61	Nil	12.48	ditto.	
		Bugirahut	1.24	0.24	18.15	ditto.	
		Mauroorah	2.97	1.61	16.57	ditto.	
		Berhampore	1.50	0.12	6.20	ditto.	
		Ramporchaut	1.35	0.26	5.61	ditto.	
	Rajshahy	City Moorshedabad	0.96	0.27	4.14	ditto.	
		Jungipore	1.05	0.26	7.85	ditto.	
		Azimgunge	0.90	0.75	6.21	ditto.	
		Lalghah	1.32	Nil	6.50	ditto.	
		Dinapore	6.37	Nil	20.65	ditto.	
Rangpore	Maidah	0.96	0.05	6.34	ditto.		
	Baculash	1.63	0.10	10.36	ditto.		
	Natore	1.21	0.62	14.76	ditto.		
	Rangpore	7.62	0.61	23.40	ditto.		
	Bhowanungo	0.78	Nil	19.76	ditto.		
Bokrah	Titalya	3.58	Not rec.	12.16	21st June.		
	Bokrah	1.39	1.50	12.67	28th June.		
	Pubna	1.19	Nil	17.22	ditto.		
COOCH BEHAR.	Darjeeling	Serajgunge	1.22	0.50	11.21	ditto.	Not received 8th to 14th June.
		Darjeeling (Telegraph Office)	Not rec.	Not rec.	12.81	31st May.	
		Darjeeling (Hospital)	7.42	0.14	25.60	28th June.	
	Julpigore	Julpigore	2.64	1.21	32.43	ditto.	
		Palpotta	6.71	2.41	23.27	ditto.	
		Bodah	6.48	1.04	21.02	ditto.	
	Cooch Behar Tributary State	Cooch Behar	7.27	5.37	49.35	ditto.	
		Bhutan Doars	Buxa	6.61	Not rec.	49.88	21st June.
	EASTERN DISTRICTS.						
	Dacca	Dacca (Telegraph Office)	3.25	1.83	25.00	28th June.	
		Dacca (Hospital)	3.11	1.30	19.65	ditto.	
		Moonshegunge	2.63	0.46	21.75	ditto.	
	Furroodpore	Maulekgunge	1.89	1.18	15.81	ditto.	
		Furroodpore	1.63	0.20	20.27	ditto.	
		Gaulundo	2.38	0.24	14.32	ditto.	
	Backergunge	Burrisaul	3.60	0.58	16.92	ditto.	
		Perozepore	4.65	0.80	19.13	ditto.	
		Madarpore	2.65	1.09	23.21	ditto.	
		Patokhally	6.24	0.61	32.20	ditto.	
Dowlat Khan		4.28	0.87	20.62	ditto.		
Mymensing	Mymensing	6.62	3.01	29.54	ditto.		
	Jamulpore	3.29	0.94	20.32	ditto.		
	Attach	3.17	0.61	14.78	ditto.		
Sylhet	Kishoregunge	9.00	1.11	27.37	ditto.		
	Sylhet	6.75	10.93	68.20	ditto.		
Cachar	Cachar	3.61	4.66	45.71	ditto.		
	Hylakandy	6.64	Not rec.	38.85	21st June.		
	Koyah	3.00	3.29	34.20	28th June.		
CHITTAGONG.	Chittagong	Chittagong (Telegraph Office)	7.80	1.70	30.60	ditto.	
		Chittagong (Jail)	7.48	1.10	32.35	ditto.	
		Cox's Bazar	10.66	0.40	48.44	ditto.	
	Tipperah	Noakhally	12.16	1.13	41.00	ditto.	
		Comilla	10.97	2.01	30.14	ditto.	
		Healmanbariah	0.46	2.51	33.09	ditto.	
	Chittagong Hill Tracts	Rangamates Hill	4.90	0.52	24.70	ditto.	
		Hill Tipperah	6.50	1.45	26.77	ditto.	

DIVISION.	DISTRICT.	STATION.	Rain from 15th to 21st June 1873.	Rain from 22nd to 28th June 1873.	RAIN FROM 1st JANUARY 1873.		REMARKS.
					Inches.	Up to date.	
BEHAR.							
PATNA.	Patna	Patna	0.96	0.68	3.71	25th June.	Not received 8th to 21st June.
		Behar	1.44	Nil	3.57	ditto.	
		Barh	Not rec.	0.71	2.16	ditto.	
		Dinapore (Jail & Cantonment)	1.90	0.40	5.60	ditto.	
	Gya	Dinapore (Cantonment)	2.00	0.40	3.45	ditto.	
		Gya	0.59	Nil	2.98	ditto.	
		Nowadigh	0.71	ditto	2.56	ditto.	
		Aurangabad	0.92	ditto	2.58	ditto.	
	Shalabad	Jehanabad	1.22	ditto	4.05	ditto.	
		Arrah	0.50	0.11	4.03	ditto.	
Sasaram		0.07	0.19	3.01	ditto.		
Buxar		0.40	Nil.	2.53	ditto.		
TIRHOOT.	Bhagalpore	Bludwah	0.02	ditto	0.07	ditto.	
		Mogulsherpore	1.85	Not rec.	8.09	21st June.	
		Darbhanga	2.33	ditto	0.33	ditto.	
		Hatipora	2.64	ditto	0.94	ditto.	
	Saran	Mudhubani	0.95	ditto	8.40	ditto.	
		Seetamarer	4.05	ditto	12.70	ditto.	
		Taigore	2.10	Nil.	8.12	28th June.	
		Chhapra	2.24	ditto	0.41	ditto.	
	Chhapra	Sewan	Not rec.	ditto	4.38	ditto.	
		Moteshari	3.85	ditto	13.10	ditto.	
Bettiah		3.21	1.40	11.50	ditto.		
Monghyr		0.82	0.02	5.61	ditto.		
BHAGALPORE.	Monghyr	Bogossrai	0.80	Nil.	4.00	ditto.	
		Jamsoe	1.92	ditto	4.55	ditto.	
		Bhagalpore	1.55	ditto	0.38	ditto.	
		Sopaul	2.19	ditto	7.37	ditto.	
	Bhagalpore	Mudheypoorah	1.45	ditto	8.50	ditto.	
		Ranka	2.85	ditto	8.58	ditto.	
		Samborsu	Not rec.	Not rec.	5.50	14th June.	
		Purneah	0.08	Nil.	11.53	28th June.	
	Purneah	Kishengungo	4.82	ditto	12.12	ditto.	
		Ararrah	0.20	ditto	10.00	ditto.	
Deoghur		0.25	0.90	0.82	ditto.		
Jamtara		Not rec.	Nil.	0.94	ditto.		
Southal Pergunnah	Rajmahal	1.12	ditto	3.68	ditto.		
	Pakour	0.40	ditto	2.63	ditto.		
	Nyn-Doomba	0.93	0.03	0.13	ditto.		
	Gudda	1.40	Nil.	7.13	ditto.		
ORISSA.							
ORISSA.	Cuttack	Cuttack (Telegraph Office & Hospital)	0.90	ditto	6.70	ditto.	
		Jajpore	1.13	0.14	7.08	ditto.	
		Kendrapara	1.70	Nil.	10.05	ditto.	
		Juentsingpore	3.00	ditto	12.70	ditto.	
	Poores	Talao Point	1.00	0.55	0.28	ditto.	
		Poores	1.47	0.15	8.70	ditto.	
		Khuriah	1.77	2.02	7.81	ditto.	
		Balasore	0.02	Nil.	10.47	ditto.	
	Balasore	Bhuddruck	0.40	1.17	7.70	ditto.	
		Jellapore	1.58	Nil.	6.94	ditto.	
Sorah		2.40	ditto	3.57	ditto.		
Chandbally		1.39	0.13	6.70	ditto.		
CHOTA NAGPORE.	Cuttack Tributary	Sambalpur	Not rec.	Not rec.	2.10	7th June.	
		SOUTH-WESTERN FRONTIER AGENCY.					
		Hazaribagh	Hazaribagh (Jail & Dispensary)	1.20	0.17	5.33	28th June.
			Pachumbha	0.73	0.28	3.78	ditto.
	Ranchow		1.50	Nil.	5.38	ditto.	
	Palamow		0.08	0.37	4.95	ditto.	
	Singbhoon	Chyehassa	0.02	Nil.	4.25	ditto.	
		Purulia	1.31	0.12	10.24	ditto.	
		Maunthoom	0.85	0.27	7.01	ditto.	
		Gobindpore	0.95	Not rec.	5.45	21st June.	
ASSAM & ADJACENT HILLS.							
ASSAM & ADJACENT HILLS.	Goalpara	Goalpara	2.87	0.88	41.04	28th June.	
		Doochree	12.40	2.00	46.12	ditto.	
		Gowhaty	2.84	0.10	28.03	ditto.	
		Burpettah	Not rec.	0.02	20.10	ditto.	
	Kamroop	Tezpor	5.67	Not rec.	30.22	21st June.	
		Muklodye	3.83	ditto	30.38	ditto.	
		Nowkong	0.04	0.63	24.70	28th June.	
		Sebsaugor	4.94	Not rec.	37.87	21st June.	
	Sebsaugor	Golazint	8.44	ditto	31.66	ditto.	
		Jorohant	5.08	ditto	24.73	ditto.	
Nazecrah		6.82	ditto	37.78	ditto.		
LUCKIMPORE.							
LUCKIMPORE.	Dehroochur	4.83	ditto	40.36	ditto.		
	North Luckimpore	9.80	ditto	39.14	ditto.		
	Suddya	3.19	ditto	36.62	ditto.		
	Ramoooodung	Not rec.	ditto	16.28	14th June.		
Naga Hills	Shillong	4.50	1.70	28.12	28th June.		
	Jaowai	10.85	1.04	41.98	ditto.		
	Cherrapunjee	24.69	5.20	155.92	ditto.		
	Tura	17.22	0.25	43.20	ditto.		
Garohills	Benaroe	0.20	Not rec.	0.83	31st June.		
	Akyab	11.70	5.50	59.10	28th June.		

CALCUTTA,  
The 5th July 1873.

H. F. BLANFORD,  
Meteorological Reporter to the Govt. of Bengal.

## Meteorological Telegraphic Report for the period 29th June to 5th July 1873.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea level.	THERMOMETER.		Humidity Sat. $\pm 100$ .	Wind.		Rain.	Clouds.	Weather.
					Dry.	Wet.		Direction.	Velocity.			
CALCUTTA.	June											
	29th	10	29.571	29.589	81.4	86.5	80	S W	...	0.30	K	
		16	29.571	29.580	80.5	82.0	71	S by E	...	...	S	l, d
	30th	10	29.563	29.591	81.0	81.0	75	S by E	...	...	K	
	July	1st	29.522	29.510	82.5	79.5	87	S by E	...	...	K	
		10	29.506	29.521	88.0	82.5	78	S E	...	...	K	
		16	29.494	29.516	90.4	87.0	69	S E	...	0.08	K	
	2nd	10	29.541	29.522	82.8	80.0	90	S by W	...	0.07		
		16	29.517	29.535	87.0	82.7	82	S	...	0.09	K, K, N.	
	3rd	10	29.507	29.535	81.0	78.0	84	S by E	...	...		
SARONG ISLAND.		16	29.525	29.513	83.5	80.5	87	S W	...	0.51	KC	
	4th	10	29.536	29.551	87.1	82.0	70	S E	...	...	CS	
		16	29.515	29.503	87.0	84.0	83	S	...	0.10		
	5th	10	29.522	29.510	82.3	80.8	93	S E	...	0.27		
		16	29.425	29.513	82.5	81.4	95	S W	...	0.21	K	
	June											
	29th	10	29.507	29.513	83	80	71	S	8.0	0.10	N	scuds v.
		16	29.490	29.502	81	85	77	S	1.70	...	N	
	30th	10	29.515	29.501	80	85	80	S S W	1.00	...	N	b, v. scuds.
	July	1st	29.532	29.519	80	83	70	S S E	9.4	...	N	o, m. scuds.
CHITTAGONG.		16	29.511	29.517	88	82	76	W	3.1	0.10	N	o, m, o, d
	2nd	10	29.516	29.522	80	82	73	S E	9.3	0.20	N	b, v. scuds.
		16	29.503	29.509	87	82	70	S S W	12.2	...	N	
	3rd	10	29.534	29.510	80	81	69	S S E	14.0	0.10	N	l, p
		16	29.507	29.503	86	81	79	S	10.8	0.10	N	b, p.
	4th	10	29.519	29.525	89	82	73	S S E	18.7	...	N	l, scuds.
		16	29.528	29.511	89	82	73	S S E	13.6	0.10	N	b, p. scuds.
	5th	10	29.435	29.441	87	81	76	S	1.00	...	N	
		16	29.531	29.547	81	84	93	W	12.3	0.80	N	o, r
	6th	10	29.445	29.511	82	80	91	W	15.7	1.10	N	d, o
MADRAS.	June											
	29th	10	29.600	29.607	90	81	76	S E	3.1	...	K, CK	g, m
		16	29.510	29.608	86	82	81	S W	10.3	...	K, KS	u
	30th	10	29.613	29.705	87	82	70	E S E	4.8	...	K, CS, CK	m
	July	1st	29.494	29.587	82	80	91	W	4.9	0.10	KS	p, u
		16	29.611	29.701	86	79	72	E S E	3.9	0.20	K	b, o
	2nd	10	29.500	29.508	85	80	70	S S E	12.7	...	K, KS	u
		16	29.621	29.713	85	79	75	S E	6.7	...	K, KS	u
	3rd	10	29.540	29.608	87	81	76	S	10.1	0.30	K, CK, C	l, i
		16	29.608	29.700	87	80	72	S E	6.6	...	K	b
CUTTACK.		16	29.639	29.631	85	81	79	S S E	13.6	...	K, KS	b
	4th	10	29.770	29.667	84	81	72	S	6.4	...	K	b
		16	29.602	29.691	81	79	79	S E	17.1	...	CK, K	b
	5th	10	29.508	29.601	81	78	86	E S E	8.0	...	KS	u, o
		16	29.462	29.551	83	79	83	S S R	14.0	...	K, KS, C	p
	June											
	29th	10	29.721	29.751	92	75	42	W by N	10	0.05		c
		16	29.602	29.692	88	79	65	S E	11	...		c
	30th	10	29.710	29.740	92	76	45	W by S	11	...		c
		16	29.643	29.633	92	78	61	S E by S	11	...		c
AKRIS.	July	1st	29.626	29.720	91	76	43	W by S	17	...		c
		10	29.606	29.621	99	70	31	W by N	13	...		cloudy.
	2nd	10	29.738	29.768	80	73	43	W	11	...		cloudy.
		16	29.626	29.654	95	76	36	W by S	9	...		cloudy.
	3rd	10	29.733	29.763	86	75	67	W by S	10	0.33		
		16	29.610	29.640	91	75	44	W by S	7	...		o
	4th	10	29.731	29.761	86	75	67	W by S	7	0.06		o
		16	29.608	29.638	92	74	39	S W by W	11	...		cloudy.
	5th	10	29.710	29.740	91	74	41	S W by W	12	...		c
		16	29.577	29.607	91	76	47	S W by S	11	...		
CUTTACK.	June											
	29th	10	29.510	29.621	91	81	67	W S W	3.0	...	K, CK, C	
		16	29.404	29.510	87	78	65	E	4.3	...	K, N	
	30th	10	29.509	29.590	95	83	59	W S W	2.0	...	KS, C	
	July	1st	29.453	29.530	79	77	90	S S W	6.2	...	N	
		16	29.581	29.646	85	78	71	N	4.0	0.50	N	p
	2nd	10	29.460	29.543	79	70	86	N N E	4.8	0.50	N	
		16	29.505	29.587	87	80	72	N N E	1.3	...	N	p
	3rd	10	29.380	29.471	80	80	66	S	5.2	...	K, C	
		16	29.465	29.537	88	80	60	E N E	2.7	...	K, N, C.	b
AKRIS.	4th	10	29.367	29.439	86	81	79	S S W	6.0	...	K, N	
		16	29.465	29.537	88	80	75	W S W	2.6	0.10	K, N, C.	p
	5th	10	29.307	29.449	80	80	75	S W	6.5	...	K, KS, N, C.	
		16	29.505	29.588	81	79	91	W S W	2.2	0.10	KS, C.	
	6th	10	29.408	29.491	80	78	91	W S W	5.0	...	CS, N, C.	
	June											
	29th	10	29.855	29.980	97	83	83	E	1.5	...		g
		16	29.610	29.692	80	70	95	W S W	1.8	1.00		g
	30th	10	29.695	29.717	78	78	100	S E	0.4	0.90		r
	July	1st	29.588	29.610	82	78	82	S	7.0	0.10		b, g
AKRIS.		16	29.685	29.646	85	80	79	S E	1.3	0.40		b
	2nd	10	29.595	29.616	83	80	87	S	7.3	...		b
		16	29.707	29.724	83	81	91	S	2.3	0.20		b, g
	3rd	10	29.630	29.651	85	80	79	S	6.3	...		b
		16	29.607	29.719	82	80	91	S E	1.7	0.40		b
	4th	10	29.628	29.650	83	79	87	S	4.0	0.10		b, g
		16	29.799	29.720	76	77	95	W S W	1.7	2.10		r
	5th	10	29.621	29.643	75	75	100	S S W	1.6	1.20		r
		16	29.685	29.707	78	77	95	S	0.8	1.10		p
	6th	10	29.598	29.690	78	77	95	S	3.5	1.10		

\* Velocity of wind in miles per hour.

CALCUTTA,  
The 5th July 1873.H. F. BLANFORD,  
Meteorological Reporter to the Government of Bengal.

**Results of the Meteorological Observations taken at the Surveyor-General's Office,  
Calcutta, from 1st to 7th July 1873.**

Month.	Date.	Mean reduced barometer.	THERMOMETER.			Mean dry bulb.	Mean wet bulb.	Computed mean dew-point.	Mean degree of humidity.	WIND.			Moon's phases.	GENERAL REMARKS.
			Highest reading.	Lowest reading.	Max. solar radiation.					Prevailing direction.	Max. pressure.	Daily velocity.		
		Inches.	°	°	°	°	°	°			H	Miles	In.	
July ...	1st	29.561	91.7	82.0	137.5	85.2	81.5	78.0	88.2	ESE & S by E	0.2	123.0	0.09	Overcast, cumuli, cirri & cirrostrati. Light rain between 5 & 6, at 12½ A.M. & 6¼ P.M.
	2nd	556	87.5	81.0	132.5	83.7	80.0	78.4	85	SE & SSE	0.7	103.0	0.13	Stratoni, cumuli & cirri. Thunder at 6½ A.M. Slight rain at 8, 9½, 10½ A.M. & 1 P.M.
	3rd	568	87.0	80.5	134.0	83.0	80.5	78.7	87	SE & S by E	1.0	117.5	0.51	Clear, & clouds of different kinds. Thunder between 12 A.M. & 1 P.M. Slight rain between 9 & 10, 12 A.M., & 1½ & 3 & 4 P.M.
	4th	500	87.4	80.0	130.0	83.1	80.0	78.8	87	SE & S	0.5	91.0	0.10	Cirri and cirrostrati and cumuloni. Thunder at 4½ P.M. Slight rain at 10½ A.M., 2½, 9½, 10½ & 11½ P.M.
	5th	493	85.8	79.2	...	81.5	80.1	79.1	83	S & SE	1.2	126.2	0.42	Overcast, cumuloni and cirri. Rain after intervals.
	6th	474	87.0	79.4	131.0	83.0	80.3	78.4	86	S	...	115.8	0.04	Overcast, cumuli and cumuloni. Light rain at 5 & 7 A.M. & 1 P.M.
	7th	484	91.4	80.5	144.5	83.8	81.1	79.2	86	SSE & S	2.8	80.0	0.35	Cirri, overcast, & cumuli. Slight rain from 5½ to 7 A.M., & at 2½ & 4½ P.M.

The mean barometer, as likewise the dry and wet bulb thermometer means, are derived from the twenty-four hourly observations made during the day.

The dew-point is computed with the Greenwich constants. The figures in column 10 represent the humidity of the air, the complete saturation of which being taken at unity. The receiver of the lower rain gauge is 1½ feet, and that of the anemometer 70 feet 10 inches above the level of the ground. The velocity of wind, as indicated by Robinson's anemometer, is registered from noon to noon.

The extreme variation of temperature during the past seven days	...	12.5
The max. temperature during the past seven days	...	91.7
The max. temperature during the corresponding period of the past year	...	91.0
The mean humidity during the past seven days	...	0.87
The mean humidity during the corresponding period of the past year	...	0.84

		Inches.	
The total fall of rain from 1st to 7th	...	{ by lower rain gauge	1.70
	...	{ by anemometer gauge	1.54
Ditto ditto ditto,	...	average of nineteen previous years	3.24
Ditto ditto between the 1st January and the 7th July	...		12.80
Ditto ditto ditto,	...	average of nineteen previous years	28.04

GOPERNATH SEN,  
In charge of the Observatory.

The 8th July 1873.



## Weekly Return of Traffic Receipts on Indian Railways.

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for Week ended 21st June 1873, on 28 miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			Total Receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		
		Rs. A. P.	£ s. d.		Rs. A. P.	£ s. d.	
Total traffic for the week ... ..	16,034	1,920 0 0	102 0 0	15,006 0	484 0 0	48 8 0	240 8 0
Or per mile of railway ... ..	594	68 8 0	6 17 0	557 0	17 0 0	1 14 0	8 11 0
For previous 25 weeks of half-year...	161,403	26,632 0 0	2,660 4 0	461,662 0	11,922 0 0	1,132 4 0	4,161 8 0
Total for 25 weeks ... ..	161,507	26,612 0 0	2,661 4 0	460,268 0	11,906 0 0	1,510 12 0	4,161 16 0
COMPARISON.							
Total for corresponding week of previous year ... ..	14,065	2,344 8 3	238 0 0	13,069 13	320 1 9	39 12 3	274 1 3
Per mile of railway, corresponding week of previous year ... ..	503	85 2 7	8 10 4	486 1	14 2 4	1 8 3	9 18 7
Total to corresponding date of previous year ... ..	161,7104	27,778 8 6	2,777 17 0	416,842 20	12,969 14 3	1,320 10 11	4,068 16 11

## NULHATTEE STATE RAILWAY.

Approximate Return of Traffic for Week ended 28th June 1873, on 27½ miles open.

		Rs. A. P.	£ s. d.	Mds. Strs.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ... ..	1,464	1,002 0 0	100 4 0	4,120 0	319 0 0	31 18 0	132 2 0
Or per mile of railway ... ..	54	37 0 0	3 14 0	162 0	12 0 0	1 4 0	1 18 0
For previous 25 weeks of half-year...	41,0004	29,670 0 0	2,967 12 0	163,591 0	12,913 0 0	1,291 6 0	4,258 18 0
Total for 25 weeks ... ..	42,4644	30,678 0 0	3,067 16 0	168,911 0	13,232 0 0	1,324 4 0	4,391 0 0
COMPARISON.							
Total for corresponding week of previous year ... ..	.....	.....	.....	.....	.....	.....	.....
Per mile of railway, corresponding week of previous year ... ..	.....	.....	.....	.....	.....	.....	.....
Total to corresponding date of previous year ... ..	.....	.....	.....	.....	.....	.....	.....

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

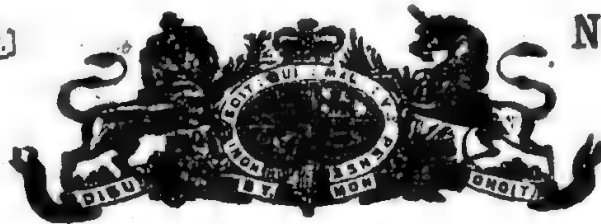
Approximate Return of Traffic for Week ended 28th June 1873, on 28 miles open.

		Rs. A. P.	£ s. d.	Mds. Strs.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ... ..	12,720	1,585 0 0	158 10 0	15,652 0	503 0 0	50 4 0	268 10 0
Or per mile of railway ... ..	454	56 8 0	5 13 0	559 0	18 0 0	1 16 0	7 9 0
For previous 25 weeks of half-year...	161,597	26,612 0 0	2,661 4 0	460,268 0	11,906 0 0	1,510 12 0	4,161 10 0
Total for 25 weeks ... ..	164,323	30,197 0 0	3,019 14 0	465,920 0	13,909 0 0	1,590 12 0	4,610 12 0
COMPARISON.							
Total for corresponding week of previous year ... ..	4,000	827 15 0	82 16 11	13,317 3	402 12 0	40 5 6	123 1 5
Per mile of railway, corresponding week of previous year ... ..	167	29 0 1	2 19 2	476 27	14 6 2	1 8 0	4 7 11
Total to corresponding date of previous year ... ..	160,3794	28,696 7 6	2,869 12 11	430,173 23	13,312 10 3	1,331 5 5	4,101 18 4

## EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for Week ended 28th June 1873, on 156½ miles open.

		Rs. A. P.	£ s. d.	Mds. Strs.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ... ..	40,841	19,510 11 0	1,789 9 7	78,215 0	23,001 13 6	2,231 10 8	4,980 6 3
Or per mile of railway ... ..	261	124 10 9	11 8 6	500 0	149 12 1	14 12 11	26 1 5
For previous 25 weeks of half-year ... ..	851,1194	6,23,700 11 2	57,080 6 6	3,151,290 30	10,54,032 10 0	99,160 8 0	126,189 14 0
Total for 25 weeks ... ..	891,9604	6,42,501 0 0	58,877 16 1	3,212,505 36	10,79,054 7 6	71,392 4 8	130,270 0 9
COMPARISON.							
Total for corresponding week of previous year ... ..	35,174	20,290 2 4	1,859 0 3	181,200 13	30,463 2 2	2,792 12 0	4,651 13 0
Per mile of railway, corresponding week of previous year ... ..	225	129 9 4	11 17 7	1,178 0	194 10 8	17 16 11	29 14 0
Total to corresponding date of previous year ... ..	833,997	5,34,979 1 0	49,039 14 10	3,098,179 16	6,03,320 10 8	63,554 19 0	117,534 13 10



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JULY 16, 1873.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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### LABOUR TRANSPORT BILL — PROPOSAL AS TO FREE RECRUITING.

*Extract from a demi-official letter from His Honor the Lieutenant-Governor to the Advocate-General, dated 2nd June 1873.*

In going over the Cooly Bill I have been much struck by a case which came before me in which some labourers recruited in the Nuddea district for the Chandeyppore tea garden in Cachar were seized, and it was proposed to punish the sirdar who recruited them because he had done so outside the Act, not having taken them before a Magistrate, &c., &c. On inquiry it turned out that there are a number of such coolies so illegally recruited on this Chandeyppore garden, that it is one of the best gardens in Cachar, and that the coolies are perfectly happy and content. Now, it strikes me, why should we interfere with this sort of free recruiting? The effect, of course, is that the planter cannot claim the benefit of the Act against the coolies; they are free men and can do as they like, just as we propose to make the time-expired coolies. I much incline to take off the penalty against free recruiting altogether, and to say, you may recruit in this way as much as you like, only if you do, the coolies will be free labourers, and not subject to the penal Act by which coolies recruited under the Act are bound down. I have talked this over with some of the members of the Council who are here and who seem disposed to agree with me. I shall be much obliged if you will talk of this with the members of the Committee in Calcutta and with some of the representatives of the tea interest. It would be a good thing if you could find who are the proprietors of the Chandeyppore garden, and see what they say on the subject. If this plan were adopted, it would not be fair that a man recruited at a distance for a garden of which he knows nothing, should be bound down even under ordinary law of contract to serve on an unhealthy garden; and I think we should provide that no contract made in Bengal or elsewhere, or before the cooly has been six months in the tea district, shall be binding for more than (say) one year (which is, I understand, the common term that time-expired coolies engage for), and that in an action for breach of contract, if it be shown that the garden is very unhealthy or unsuited to the constitution of the foreign cooly, the court may absolve him.

It would come to this then, that planters might engage coolies under the Act or outside the Act, as they choose, subject in the latter case to the safeguards which I have suggested to prevent a man being deceived into a long contract to work on an unhealthy garden, of which he knows nothing, without the protection afforded by the Act.

I believe that the Bill as already drawn provides for the sanitation of vessels carrying more than twenty persons, whether they be coolies under contract or not.

*Note by the Hon'ble Mr. Dampier.*

I do not think it would be advisable to allow recruiting outside the Act.

2. The one principle on which legislation restricting the liberty of recruiting is justified is, that the ignorance and helplessness of the classes from which recruits are drawn are such that the interference of the Government is necessary between them and the employing interest to ensure their not being cajoled out of their homes by distorted representations of what they are going to. The law seeks to provide every safeguard which can ensure to the recruit a thorough knowledge of what he is about before he is taken to what is practically an irretrievable distance from his home; and afterwards to secure to him the fulfilment of the expectations which were held out: while in return it exacts from him by exceptional means the fulfilment of what he undertook.

3. To remove conditions which are aimed at these objects in regard to men who have already served in the tea districts, is in no way inconsistent with the imposition of them in regard to new recruits; for men who have once served through a contract know perfectly well what they are about when they agree to remain in or to return to the tea districts.

4. But I do not see how we can withdraw the protective conditions from any other recruits without inconsistency. I have no doubt that if the option were given of recruiting outside the Act, there would be very little recruiting under the Act. Very likely there would be many instances of happiness and success, as in the Chaudeypore garden; but, as I have said, the only excuse for the existence of the Act is that after experience and full consideration, a conclusion has been deliberately arrived at that, without such interference, the number of unsatisfactory cases as regards the emigrants would probably be so great that the imposition of restrictive conditions on recruiting generally is justifiable as a means of guarding against them.

5. The Lieutenant-Governor suggests that if recruiting outside the Act were allowed, the planter would lose the benefit of the stringent provisions of the Act against such free recruits. True; but I believe that the employers would most willingly give up this advantage if they could obtain the removal of the restrictions as the price of it. Being obliged to interfere with the freedom of the employer's action, the legislature gives the employer what compensation it can in the shape of certain special assistance in dealing with the employed; but it is evident that the privilege so given is not considered by the employer to be by any means equivalent to what he loses by the operation of the Act.

6. At first I was struck with the feature in the Lieutenant-Governor's proposal that the free recruit should go up to the labor districts on a very short contract, and not be allowed to bind himself to a long one until he had an opportunity of looking round him. This is just what we want to secure; but further consideration suggests the question—suppose he does not like the prospect when he does look round after the expiry of his first short contract, how is he to get back to his home? On the other hand I doubt whether employers would undertake the expense of importing recruits if their services were secured by one-year contracts only, so that the permission to recruit outside the Act, hampered by a condition as to short contracts, would be no boon to them.

*The 12th June 1878.*

H. L. DAMPIER.

*Note by the Hon'ble the Acting Advocate-General.*

I do not think it advisable to allow recruiting outside the Act. I consider such a step at present premature. If recruiting be allowed outside the Act, my own impression is that such recruiting will be generally resorted to, and the provisions of the Act on the subject of recruiting will be left without operation. No substantial prejudice would arise to planters by having the right now given by the Act to compel the performance of work by labourers taken away, inasmuch as the labourers, being far removed from their own homes, will be really in their power. But the greatest possible injury may be inflicted on the labourer if he be not protected as he is under the Act. I have no objection to progressive reform, and for that purpose would relax or remove any provision on the subject of recruiting which may be deemed harsh or inequitable. But to remove all restraint in certain cases would be, as it appears to me in the present state of facts, undesirable. I take it that the laborer requires some special protection, and he would be without that protection if recruiting and the making of contracts outside the Act be permitted.

*The 18th June 1878.*

G. C. PAUL.

*Note by the Hon'ble Mr. Colvin.*

I HAVE given my best consideration to the suggestions contained in the accompanying letter from His Honor the Lieutenant-Governor, but I apprehend that there would be much practical difficulty in working the system of contract labor under the provisions of the Act side by side with an alternative system of free labor outside the Act.

In my remarks upon the Bill on the 8th March, I said that I should have expected any changes in the law to be in the direction of relaxing previous rules rather than imposing fresh restrictions, and I should be very glad if it were possible to proceed further in the direction of liberating both employers and labourers from all regulations save those relating to transport and sanitation, &c.; but I scarcely venture to think that the time has yet come for such a step, and meanwhile I am confident that it would not be desirable to allow a choice of action—that such choice would generally result in preferring liberty to law.

The Chandeypore garden belongs to a company of which Messrs. Borra aile, Schiller & Co. are the Secretaries.

I have not before me particulars of the case quoted by His Honor the Lieutenant-Governor, but I fancy it is not an uncommon one or confined to any particular garden. Of my own knowledge I can speak of several instances in which men have been recruited by sirdars without being taken before a Magistrate, and without the sirdar having his license countersigned by the Magistrate of the recruiting district; but these cases have all arisen simply from the sirdar having received insufficient instructions, and not knowing what he was bound to do under the Act.

*The 14th June 1873.*

R. D. COLVIN.

*Note by the Hon'ble Baboo Digumber Mitter.*

THE necessity for legislation on the subject of emigration of coolies to the tea districts had arisen, it would appear, from the fact of great abuses having been discovered both on the recruitment and transport of such coolies.

It was therefore in the interest both of the employer and the labourer that legislation was held to be necessary, providing amongst other things for the due control of contractors and recruiters, medical examination and housing of coolies before embarkation, licensing of boats and steamers employed to carry coolies, their treatment on the road and on the plantation, and their examination on arrival.

There is nothing to show that these requirements, which in 1862 were considered imperative in the interests of both the employer and the labourer, have ceased to have any force at present, and unless that is clearly made out, I do not see how free recruiting can be safely permitted.

If Chandeypore garden has done well in spite of illegal recruitment, that fact of itself does not, I humbly submit, go so much to prove the inutility of certain restrictions imposed upon recruiting, as the superior tact of the manager thereof; and it would perhaps be just as reasonable on that account to remove all restrictions from recruiting as it would be to release a community from the fetters of the laws of the land because some of the members thereof, out of natural respect for law and order, might not require to be so fettered.

It is true that, so far as the transport of coolies is concerned, provisions are made in the present Bill for the sanitary regulation of vessels carrying more than twenty persons. But that would serve no good purpose, so far as defective recruitment is concerned; and the diseased, the blind, and the maimed may be engaged as before and transported in parties of twenty, with the same chance as heretofore of fifty per cent. only surviving to reach their destinations.

I would also respectfully beg to point out the inconsistency of the same statute containing the most stringent clauses thought to be absolutely necessary to ensure voluntary contract and engagement of healthy labourers, even in the case of garden sirdars engaging 20 men, and declaring at the same time the utmost freedom for recruitment, with only this provision in common, that labourers engaged, whether under or outside the Act, must not be transported in other than regulation vessels if conducted in parties of more than twenty.

It is a matter for consideration also whether free recruiting, as an alternative measure, will not materially reduce the income derived from fees, &c., and thereby necessitate the enhancement of the present rate to meet the required charge upon the fund.

I need not, after what I have said above, dwell upon the propriety or otherwise of the limitation as to time proposed to be assigned to contracts with labourers engaged outside the law.

*The 18th June 1873.*

DIGUMBER MITTER.

*Note by the Hon'ble Mr. Robinson.*

I HAVE taken the opinions of the members of the Tea Committee of the Landholders' Association, and find that they agree with my own, as given below, on the subject of Sir G. Campbell's letter proposing to allow a system of free emigration to the tea districts.

In my opinion free emigration may now be quite safely allowed, and I am sure that it would be for the benefit of both emigrants and planters. The former are by this time well aware of the best time of year and of the best means for going to the tea districts, and the paramount interest of the latter is to avoid both the loss of emigrants on the journey and their arrival in impaired health.

It does not appear to me possible to draft an Act in which both systems, free and restricted, can be provided for side by side, and I imagine that if Sir G. Campbell's plan is carried out, it will be necessary only to pass an Act providing for the sanitary protection of emigrants on their journey.

All evidence that I have seen tends to shew that the river voyage by boats is the safest for the health of emigrants, and I have no doubt that this would be generally resorted to if all parties were left free to follow their own wishes.

The 19th June 1873.

T. M. ROBINSON.

*Note by Mr. J. Ware Edgar, Deputy Commissioner of Darjeeling.*

I AM convinced that the time has come for an experiment of the nature indicated by the Lieutenant-Governor. Any doubts that I may have had of the practicability of working with perfectly free labour have been removed by what I have seen in this district. The planters here are working under what I should have considered hopeless disadvantages. Their system of engaging with sirdars for gangs who are practically responsible to the sirdars, and who go and come at their bidding, would seem *prima facie* to entail an insecurity almost fatal to the successful working of a tea garden, and has actually, under certain conditions which have recently arisen, caused some difficulty. Then, the coolies themselves have many propensities—a passion for gambling and the like—which tend to make them much more likely to leave the employer in the lurch than the tamer races I have been used to deal with in Cachar. Above all, the coolies have only to cross the frontier into their own country to get completely out of the reach of their employers. Notwithstanding all this, the relations between the employers and employed are, to my mind, far better here than they are even in Cachar, in spite of the great improvements that have taken place during the last few years in the latter district. I do not ignore present difficulties here above hinted at, which, it appears to me, are due to accidental and, I hope, temporary causes. But on the whole, I say confidently that the average condition of the cooly here is better than it is in all, except a few, gardens in Cachar, and that the cooly gardens which come up to or surpass the Darjeeling standard are those in which unceasing efforts have been made to get as near as possible to a system of free labour.

I believe it will be found that the numbers of free labourers have been increasing vastly of late years, and I cannot help thinking that there must be a very large importation outside the law. The census shewed 40,000 residents on tea gardens, of whom at least 36,000 must have been coolies. Out of these, something like half were, as is clear from the last labour returns, under no sort of agreement whatever. Some of these are doubtless time-expired men; but we find that besides the number without agreements, there were some 11,000 (I quote from memory) engaged in the province during the year. These were all time-expired men of course, and I conjecture that there was a tendency to take contracts from time-expired men on account of their getting a bonus, which the employer was naturally anxious to get something for in return. On the other hand, the legally imported cooly would be under no agreement and would get no bonus. I strongly suspect therefore that a large proportion of the 18,000 or upwards who do not appear in the returns have been illegally imported. Again, taking the coolies at 36,000, on a three years' term, the annual importation, supposing that the gardens have to rely on that source alone, would be 12,000, exclusive of those imported to supply losses by deaths, desertion, and the like, at least 1,000 more. I find from the resolution that about 8,000 were imported under the law. Of the remaining 10,000 no doubt some, perhaps most, were supplied from the time-expired stock, but many must have been got up outside the law. But this is not all. There were some new gardens opened, and extensions were made in many already existing: for these additional coolies were required; so that the importation must have been sufficient not merely to keep up the existing supply of coolies, but also to meet additional demands. I am convinced that the legal importation did not do this, and that consequently there must have been a large importation outside the law. Now, what seems to me the all-important thing is to examine the directions in which the two currents of importation flowed. I have not seen last year's returns. I am most anxious to do so; but I feel convinced that a careful examination of the returns for many years would show that the legal importations have been chiefly to jungly, unhealthy, badly managed or ill-paid gardens, where the coolies are only kept by the terror of the law. It will be found that the good managers of good gardens have either evaded the law, or, if they have been too timid or too scrupulous to act illegally, they have paid more than they otherwise need have done to obtain their coolies. In other words, the good gardens have been paying for the bad ones. With regard to the Lieutenant-Governor's proposal, I think I would give the labourer even more liberty of choice on his arrival. Among the opinions which accompany the extract from his letter there is one from Mr. Dampier, in part of which he points out that the



coolies would be practically unable to return to his own country, and, if he disliked what he saw of the tea district, would be unable to leave it. This might be practically a difficulty in Assam, but in Cachar it would not be so. We may fairly assume that the cooly would come up with a fair general idea of what he was going to do. He would have heard what kind of place Cachar was like, and what kind of work he would have to do. If he had been deceived as to the particular garden to which he had come, he might go to a better one in Cachar or Sylhet, or he might settle in the villages where he would find a hearty welcome. I would therefore allow free recruiting side by side with recruiting under the law, but would recognize no contract made previous to the labourer's arrival on the garden. Any such contract should be made before a Magistrate-Inspector of Labourers or European police officer. It should have no penal provisions, and if the labourer did not wish to make it, he might be allowed to refuse to do so on paying the importer the actual cost of bringing him up, such penalty in no case to exceed ten rupees. I believe the result would be that all the coolies on the best gardens would be got up in this way, while the bad gardens would still import under the law, and it is almost certain that its indirect effect would be to make the owners of the bad gardens strive hard to make their gardens less unpleasant to coolies. In Cachar the free system would in a very short time kill the contract system without any danger to the industry. In Assam it would undoubtedly take longer, but with roads, the spread of village cultivation, and other improvements, I do not doubt that free labour would in time become possible.

The 21st June 1873.

J. WARE EDGAR.

*Note by His Honor the Lieutenant-Governor.*

THE objections of several of my colleagues to allowing free emigration to the tea districts seems to be that planters would prefer liberty to law and that the free system would nullify the Act. I must say this conclusion seems to me to point the other way, for (the voyage excepted) it is my impression that in the tea districts a free system is better for the coolies also than the present system, and if both parties prefer it, I do not see why it should not be allowed. Mr. Edgar has told me that he believes several of the gardens in Cachar, returned blank in the labour returns, are really worked by free labourers not under contract, and that there a large proportion of the immigrant labourers are in fact not under contract nor subject to the provisions of the Act. As Mr. Edgar has recently had experience of a free labour system in this Darjeeling district, as well as of a contract system in Cachar, I have asked him to write his opinion of the relative advantages of the two systems; and his note is with these papers. It will be seen that he is much in favor of a free system. At the last moment I have also received Mr. Robinson's opinion, who speaks not only for himself, but also for the tea committee of the Landholders' Association. He is quite in favor of a free system. By these opinions I am emboldened to continue the discussion, and incline still to think that in Cachar at least a free system might be tried. Once a cooly is in the tea districts, he—and still more she—can always make good wages under a free system; so that I do not apprehend any injury to the cooly.

As regards the voyage, it may well be that to Cachar the boat voyage is, as Mr. Robinson says, the best. It would not be desirable to crowd more than twenty in a boat; and if there are not more than twenty passengers, the boat voyage is already free. Then, as regards the very necessary sanitation of crowded steamers, we already provide sanitation, whether the passengers are contract labourers or not. To allow a free labor system then, would so far not be inconsistent with the Act as now drawn. If we allow the free system, I also do not see why we should not at the same time continue a special contract system for those districts or planters who wish for it. That system simply amounts to this. We say—"on condition that the contracts are made and attested with certain safeguards, we will give you a special contract law secured by special penalties and a summary remedy in case of breach." When the planters are willing to give that up, let them do so, and where they find it necessary, I would not take it away. That is what I am now inclined to say. But the subject is one which should be fully discussed. If my colleagues do not object, I should wish the Secretary to print these papers at once and circulate them demi-officially for opinions of those interested before I return to Calcutta.

The 23rd June 1873.

G. CAMPBELL.



# REPORT AND RETURNS OF LABORERS IN TEA GARDENS IN ASSAM FOR THE YEAR 1872.

## RESOLUTION.

### JUDICIAL DEPARTMENT.

#### EMIGRATION.

Calcutta, the 14th July 1873.

#### READ again—

The Assam Commissioner's letter No. 2574T, dated 18th December, forwarding the Tea Garden Returns for the first half of 1872.

The Assam Commissioner's letter No. 381B, dated 29th April, forwarding the Returns for the second half of 1872.

#### READ also—

The Assam Commissioner's letter No. 145TG, dated 19th June 1873, forwarding Inspection Reports and the General Immigration Report for the year 1872.

And the Assam Commissioner's No. 150TG, dated 21st June 1873, explaining the cause of the high death-rate on the Tengri Tea Estate.

The Lieutenant-Governor is glad to acknowledge that the Assam returns and reports for 1872 have been submitted with much more punctuality than in previous years. The Commissioner has also examined and reported on the returns. The general report might however have been sent in earlier, inasmuch as all the returns left the Commissioner's office before the end of April, and by that time all the district reports were in his hands. As it is, the general report did not reach Government until the 27th of June last.

2. The principal figures for the year 1872 may be thus abstracted :—

NAME OF DISTRICT OR CIRCLE.		NUMBER OF LABORERS, 1872.							Percentage of deaths or average strength.		Number of laborers on the gardens on 31st Decem-ber.	Number of gardens at work with contract labor on 31st December 1871.
		On the gardens on 1st January.	Imported during the year.	Engaged or re-engaged locally during the year.	Completed or cancelled their agreement.	Deserted.	Imprisoned.	Died.				
DURRUNG	Kamrup ...	191	13	232	154	1	...	6	1872.	1871.	275	6
	Bishnath ...	990	193	881	803	18	1	37	246	not given	1,130	10
	Chardooar ...	1,073	227	237	412	11	8	41	365	58	1,114	8
	Mungtodyo ...	537	14	184	209	...	8	20	353	66	505	16
	Nowgong ...	656	186	210	342	13	1	20	384	58	672	9
	Sochaugor ...	...	...	...	...	...	...	...	610	57	18,100	66
	Luckimpore ...	17,404	5,290	7,788	8,009	520	60	818	432	405	7,090	68
Total ...		20,860	5,943	9,922	10,895	574	87	951	412	426	24,002	105

It seems that there has been a very considerable extension of tea industry during the year under review.

\* Gardens brought on the returns during the year 1872.

No. 8	Ramsha	} Kamrup district.
" 4	Cheela	
" 10	Bishnath, in the Durrung district.	
" 7	Goriamari	} in Chardooar ditto.
" 10	Munsiri	
" 70	Mabella	
" 66	Powry Rheel	} Sochaugor district.
" 85	Sufry Parbhut	
" 86	Dooria	
" 53	Hingrajan	} Luckimpore district.
" 50	Rajabatta	
" 51	Blackburn	
" 53	Greenwood	
" 54	Hoogrejan	
" 55	Laipoollee	} Luckimpore district.
" 57	Debrooghur	
" 59	Mothola	

† Gardens shown as having no Contract Coolies during the year 1872.

Ghagra	} Bishnath Circle, Durrung district.
Singhijan	
Seelooee Barea, Luckimpore district.	

themselves locally was equal to about nine-tenths of the whole number whose contracts expired during the year; the proportion was somewhat smaller in 1871; and it certainly speaks well for the general treatment of the coolies that

Seventeen new gardens appear for the first time on the returns,\* while only three gardens were closed.† To meet the increased demand for labor 5,943 fresh coolies were imported during the year 1872, as against 3,646 in the preceding year; and the number of contract laborers in Assam at the end of the year was 24,002, against 20,860 at the beginning of the year. The number of local or time-expired laborers who engaged

so many re-engage voluntarily when their original contracts are over. It is however not clear in what shape these engagements are made and allowed.

3. The death-rate on the average strength of laborers in Assam was 4.12 per cent., or .14 per cent. below the average of the preceding year. The death-rates among contract laborers in the several tea-producing provinces compare as follows :—

	1870.	1871.	1872.
Assam	5 per cent.	4.26 per cent.	4.12 per cent.
Cachar	2.22 "	2.11 "	2.3 "
Sylhet	4.23 "	1.07 "	1.38 "

This shows that Assam is still in this respect far behind the other provinces, and that there is very great room for improvement. The death-rate was highest in the gardens of Durrung and North Luckimpore, and in the small jungly gardens near the frontier. In the gardens of Kamroop and Durrung, and in many Seebsaugor gardens, the death-rate was satisfactorily low. But among the newly-imported coolies there was a great deal of mortality. Cholera, too, prevailed during the year—more so, say some of the planters, than has been known for many years. The death statistics of the year, and the remarks in some of the inspection reports, show that the planters and the Government inspectors must not relax their exertions for the improvement of the health of laborers, more especially in the newly-opened jungly gardens.

4. The Government inspectors have performed their duty very much more efficiently and regularly than in 1871. As many as one hundred and eighty-nine inspections were made during the year; forty-six gardens were inspected more than once; and sixty-six gardens remained uninspected, viz. :—

In Kamroop	...	...	2 gardens.
" Nowgong	...	...	1 garden.
" Seebsaugor	...	...	43 gardens.
" Luckimpore	...	...	20 "
Total	...	66	"

The Lieutenant-Governor is satisfied generally with the quality of the inspections as shown in the reports, subject to the remarks in the succeeding paragraphs; but he much wishes that Dr. Partridge, Inspector of Laborers in the two districts of Upper Assam, may be able to carry out his intention to visit every single garden at least once in the year. During 1872 some gardens where the mortality was very high remained uninspected.

5. Taking the several districts in order we first come to—

**KAMROOP.**—In this district there are few gardens, and but few coolies, nearly all of whom are time-expired men who have re-engaged. The yearly death-rate, 2.46 per cent., is moderate. The inspection reports show that the laborers are contented, and that they are for the most part entirely free to come and go just as they like. Only three infants died during the year. Nearly two-thirds of the laborers are Bengalees, using the word in the planter's sense, to express all the inhabitants of provinces attached to Bengal; more than one-quarter are men from the Upper Provinces. Deaths were so few that no deductions can be made regarding the relative healthiness of immigrants from the different districts of supply. The Lieutenant-Governor does not understand why two out of the four gardens in Kamroop should have remained uninspected during 1872.

**6. DURRUNG DISTRICT.**—Every garden in each of the three circles of this district was inspected during the year.

**Bishnath Circle.**—The death-rate in this circle was 3.54 as compared with a rate of 5.6 per cent. in the year 1871. The number and percentage of deaths was high in—

Gillahating, where	7.54 per cent.	died out of an average strength of	57 laborers.
Pabhoi,	4.95	"	121 "

The inspection reports for these two gardens show that they were well cared for, that the coolies were contented. On Pabhoi there was no hospital, but a hospital building was about to be begun and a Native Doctor was shortly expected. The inspection reports of all the rest of the Bishnath gardens are satisfactory; 16 infants died out of an average of 94 in the circle. But in the

Pabhoi garden only was the infant mortality excessive, six infants having died out of a total of nine.

*Chardooar Circle.*—In this circle the death-rate for 1872 was 3.53 per cent. as against 6.6 in the previous year. The death-rate was high in—

Adhabaree, where	5.24	per cent.	died out of an average strength of	247	laborers.
Kasomaree, „	5.08	„	„	177	„
Briardale, „	5.63	„	„	35	„

The inspection reports show that at Adhabaree the lines are not well ventilated or well kept; that two wells for drinking water are much wanted, and might easily be constructed; and that, since a committee sat on the garden, there has been improvement and there have been no deaths. In Kasomaree the lines and arrangements are said to be all good, and a hospital is being built. The infant mortality was moderate, only nine having died out of an average strength of 133; out of these nine deaths three occurred on Adhabaree. The inspection reports show that the laborers were well cared for and contented on every garden except Adhabaree, where any cooly who is absent for a single working day in the month is refused his wages for all the Sundays. The Deputy Commissioner, who is also Inspector of Laborers, states that in every other garden of the district the laborers get seven days' pay for six days' work. It should be fully explained to the manager and to the laborers of Adhabaree, that while an employer is by law authorized to withhold wages from a laborer who causelessly refuses to work, yet, under section 69 of the Act, the laborer who works six days is guaranteed one day's rest in the week, quite irrespective of the monthly wages which he may be entitled to receive. The Lieutenant-Governor desires that a copy of the next inspection report of Adhabaree may be submitted to Government without waiting for the usual annual or half-yearly reports, in continuation of the special correspondence which has passed regarding this garden.

7. *Mungledye Circle.*—Here the death-rate for 1872 was 3.84 compared with 2.8 in the previous year. The mortality was high in—

Mogulbassa, where	7.14	per cent.	died out of an average strength of	28	laborers.
Attarikat, „	16.39	„	„	30	„
Rupotal, „	12.5	„	„	32	„

These are all small gardens with very few coolies on each. The inspection reports (by Captain Boyd) show that the lines are well kept and the coolies well cared for. No special explanation is given of the causes of the mortality; if such mortality recurs in the present year, the matter must be very closely looked into. But after considering the inspection reports, the Lieutenant-Governor deems it unnecessary to remark further on these three branch gardens. He observes that Captain Boyd, at his inspection of January 1878, inquired very fully into the causes of the Attarikat mortality, and he is satisfied with that officer's conclusion that the deaths of the three women were due to natural and non-preventible causes.

8. On the whole the Lieutenant-Governor is satisfied with the attention given by the local officers in all three circles of the Durrung district during the year 1872, and he is very glad to find that the previous excessive mortality is so much diminished. This was the district in respect of which the Lieutenant-Governor had the greatest doubts, and it is a relief to know that there is great improvement. He has read with interest the extracts from Captain Boyd's report, given at paragraph 74 of the Commissioner's letter. The Lieutenant-Governor concurs in much of what Captain Boyd says, and is glad to learn that with the single exception of the Adhabaree coolies, all the Durrung tea laborers are on the whole well off and contented.

9. *Nowgong.*—In this district the death-rate for 1872 was 4.16 per cent., against 5.7 per cent. in the year 1871. The mortality was high on—

Borkondoli, where	16.76	per cent.	died out of an average strength of	42	laborers.
Nijorikat, „	10.21	„	„	68	„

Both these gardens were inspected twice during the year, and were found to be in all respects well found and well managed. The deaths (seven on each garden) occurred partly, but not wholly, among newly-arrived coolies, who reached Assam in bad health. All the sick were treated either on the gardens.

both of which possessed a competent Native Doctor, or at the head-quarters dispensary, to which some of the patients were moved. Out of an average strength of 97 infants over the district, seven infants died during 1872.

The Deputy Commissioner, Major Sherer, reports that there was no unusual sickness during the year; that no committees on gardens had to be held; that the condition of the lines and hospitals on all gardens was found satisfactory; that "the coolies are paid very regularly and fairly." \* \* Some of the imported coolies earn monthly nearly half as much as their ordinary pay; \* \* and in no single instance had the provisions of the Act to be enforced against a single planter."

10. UPPER ASSAM.—The two districts of Sebsaugor and Luckimpore, which contain three-fourths of all the gardens, and employ four-fifths of all the imported labor in Assam, have heretofore been treated as one circle. By the Government orders on last year's (1871) report, it was directed that the figures for each of the two districts should be separately shown, but that order was acted upon in the latter half of the year only, so that for 1872 the labor statistics of the two districts will have to be reviewed together. It was in these two districts, and more especially in Luckimpore, that the great extension of the tea industry during 1872 mainly took place. To meet this extension Sebsaugor and Luckimpore took seven-eighths of the imported coolies who came to Assam. In some parts of these districts cholera prevailed, and in some gardens there was terrible mortality, especially among newly-imported coolies. The Commissioner has in his report examined the facts very fully; in some instances explanation of the mortality is attempted.

11. The death-rate in Upper Assam was 4.22 per cent. in 1872, or against 4.05 per cent. in 1871. The Commissioner gives lists of the gardens arranged according to the different rates of mortality. He writes that—

"The mortality in 53 gardens was below 3 per cent., in 30 gardens above 3 but below 5 per cent., in 14 gardens above 5 but not exceeding 7 per cent., and in 29 gardens the death-rate exceeded 7 per cent., out of which in eight instances, viz., Deroibaree, Borsilla, Lahing, Hulwating, and Mybella gardens in Sebsaugor, and Greenwood, Dejon, Joyhing in Luckimpore, the death-rate ranged from nearly 10 to about 19 per cent.; and in the Debropar garden of the Noacachary Company in Sebsaugor, and in the Mothola, Rungagora, Laipoolee, Hookanjooree, and Hoogreejan estates in the Luckimpore district, the death-rate was above 20 per cent.; the mortality in Debropar and Laipoolee exceeding 27 per cent.; and the last two\* appear to have lost in a twelvemonth 11 and 39 laborers out of an average number of 30 and 59 respectively."

For explanation of high death-rate, vide letters to Government, No. 2574T, dated 21st December 1872, and No. 377B, dated 24th April 1873.

\* Hookanjooree.  
Hoogreejan.

\* \* \* \* \*

"Out of a total number of 818 deaths, 538 persons died during July to December, and only 280 from January to June."

Dr. Partridge, the Inspector, writes that the greater mortality in Upper Assam during the year 1872 "was undoubtedly caused by an outbreak of cholera which occurred throughout both districts."

12. Taking in order the several gardens where the mortality was very high, the Lieutenant-Governor finds the facts to have been as follows:—

SEBSAUGOR DISTRICT.—*Debropar Garden*.—Average number of laborers, 48; number of laborers imported during the year, 34; number of deaths, 12; death-rate, 28 per cent. The garden was not inspected during the year. The manager, Mr. Hogarth, writes:

"The mortality of this garden is certainly very alarming, but \* \* \* cholera and dysentery has taken every one. \* \* \* If the men had been healthy they might have been saved; but the whole garden was suffering from venereal introduced by a new batch of coolies, and they fell easy victims to a wild cholera attack. At Noacachary (the parent garden) we had several cases, but only one fatal. \* \* \* Debropar has a Native Doctor who did all he was able to do, but he said the coolies had no stamina. I intend to change the site of the cooly lines, but should like your (the Inspector's) advice."

*Mybella Garden*.—Opened during the year; number of laborers imported during the year, 36; deaths, 4; average mortality shown as 17.65, being

calculated on an average strength of 23 laborers. Inspection reports show that the lines are good; the coolies are well cared for.

*Hulwating*.—Also a small new garden; with 2 deaths out of an average strength of 12 laborers, giving a death-rate of 16 per cent. Inspection report says that the garden was in all respects properly found and managed.

*Laking*.—Small new garden; 5 deaths out of 46 laborers; garden not inspected; manager reports one of the deaths was from cholera and two from dysentery. The large parent garden, Noacachary, to which this garden and Debrapar both belong, was not inspected during the year, but its death-rate was 3·08 per cent., so we may presume that it was fairly healthy and well managed.

*Tiphook*.—38 deaths on an average of 415 laborers; death-rate 7·95 per cent. against 4·7 in the year 1871; 212 new laborers imported during the year. The inspection report shows the garden to have been properly found in every respect and the coolies well cared for.

*Borbom* (Amjooree Company).—12 deaths on an average strength of 168 laborers; death-rate of 7·12. Inspection report in all respects satisfactory.

*Numaligurh*.—19 deaths on an average strength of 268 laborers; death-rate 7·08 against 9·6 in the year 1872. Not inspected during the year.

*Lukwah*.—21 deaths on an average strength of 316 laborers; death-rate 6·64 per cent.; 163 coolies were imported during the first half-year; the Inspector on the 29th November found these new comers to be still unhealthy, and notes that the deaths had occurred mostly among them.

*Amjooree*.—23 deaths on an average strength of 396; death-rate 5·98 as against 5·1 in the preceding year; 191 new coolies imported during the year. Inspection report satisfactory in all respects.

*Atkhel and Dooly Bagan*.—Two large gardens belonging to the Assam Tea Company; had a death-rate of 5·91 and 6·31 respectively. Atkhel imported 110 coolies, while Dooly Bagan imported only 13 during the year. The inspection reports of both are satisfactory.

There are other small gardens in the Sebsaugor districts where the death-rate exceeded 5 per cent., namely, *Meleng*, *Ladoigurh*, *Sooraipanee*, *Mohmara*, *Goriahabie*, *Hatteechoongee*, *Debbeajoolie*, *Boisahabee*, *Halmarah*, *Soykotta*, *Deroibaree*, *Borsilla*, where the death-rate exceeded 5 per cent. No inspection reports have been received of those gardens marked with italics. For the rest the inspection reports are satisfactory. It is noteworthy that several of these small gardens, among others Borsilla with a death-rate of 9·95 per cent., imported no fresh coolies during the year 1872. The Inspector must, at his next visit, inquire into the cause of the apparent unhealthiness of these gardens, and a copy of his inspection report must be forwarded specially, with the Commissioner's opinion, for the information of Government.

13. LUCKIMPORE DISTRICT.—The death-rate was highest on the three gardens of the Tengri Estate, namely:—

	Average strength.	Number of deaths in the year.	Death-rate.
Hoogrejan	... 59	39	66 per cent.
Hookanjoree	... 30	11	37 „
Laipeolee	... 86	10	27 „

The manager (Mr. W. Minto), the Inspector, and the Commissioner have reported separately upon this terrible mortality. The letters certainly show that the planter has concerned himself much about the deaths among his coolies, and that he has done for them what he could. They were not inspected during 1872, but Dr. Partridge has inspected them since the beginning of the year, and found everything satisfactory; he anticipates that all three gardens will be healthy this year. Mr. Minto ascribes the mortality to the following causes:—The gardens had been in jungle for four years, and were newly re-opened in November 1871; it would require strong, healthy coolies of a good stamp to stand the work and malaria inseparable from opening a new garden; but the new coolies who were imported in November to March 1871-72 were poor, sickly, and of a very bad stamp. Mr. Minto selected his coolies himself in Calcutta, but he believes they were changed before they were put on



heard the steamers; and this belief is shared apparently by the Inspector, Dr. Partridge, and by other planters.

*Rungagora* (Upper Assam Company).—Forty deaths on an average strength of 179 laborers, giving a death-rate of 22·34 per cent. Thirty-nine laborers imported during the year. Last inspection was in January 1872, and showed that there was no hospital; that the medical attendant was stupid and unfit; that blankets had not been supplied to the coolies as required by agreement; that the average wages received by each cooly in November 1871 was only Rs. 3½ for the whole month; and that the coolies were not in good case.

*Joyhing* (belonging to Messrs. Wise and Smith).—Twenty deaths on an average strength of 106, giving a death-rate of 18·60 per cent. Ninety-nine coolies imported during the year. The inspection report of April 1872 shows that there is no hospital or medical attendant on the garden; for the rest, the garden was properly found, and the coolies were well cared for.

*Greenwood*.—New garden opened during the latter part of the year. One hundred and fifteen new coolies imported, of whom ten died before they were six months on the garden. The inspection report shows that new cooly lines were to be built on a better site, that there was no resident medical practitioner, and no hospital had been built.

*Dejoa*.—A newly re-opened garden. Twelve deaths on a strength of 94, giving a death-rate of 12·73 per cent. Thirty-six new coolies imported during the year. The inspection report of April 1872 shows that there was no medical attendant on the garden, but that the Inspector had called upon the manager to provide one. For the rest, the lines were being put into order, and the coolies were well found.

*Tullup*.—Forty deaths on an average strength of 490 laborers, giving a death-rate of 8·16 per cent. Inspection reports of January and July 1872 show that the garden was in all respects well found. No explanation of this high mortality on an old-established garden is given, save that dysentery, diarrhoea, and dropsy were, as is the case on other gardens, the principal diseases. In 1871 the mortality on this garden was 5·5 per cent., and was attributed to dysentery and diarrhoea among two weakly batches of coolies. Tullup imported 403 new coolies during the year 1872, and re-engaged 89 out of 120 who completed their original contracts.

*Lahwal* (Muttuck Tea Company).—Eleven deaths on an average strength of 174 laborers, giving a death-rate of 6·30 per cent. The garden was inspected twice during the year, and was in all respects well found; the cooly lines are said to be particularly good and clean.

The mortality on the following small gardens was above 5 per cent.:—Doolahât, Gaijan, Tingrai, Dibrogurh, Rhomaria, Nudwa, Hulmaree, Tiphook, Bhipuria; and regarding each of them the Inspector will have to note specially in his next inspection report, as well as regarding the larger gardens noticed above.

14. The mortality among infants under seven years of age was as follows:—

			Average strength of infants during 1872.	Deaths during 1872.	Infant death-rate per cent. in 1872.
Kamroop	...	...	24	3	12·5
	{ Bishnath	...	94	16	17·02
Durrung	{ Chardoar	...	133	9	6·76
	{ Mungledye	...	107	6	5·60
Nowgong	...	...	97	7	7·21
Seesaugor	...	...	...	...	...
Luckimpore	...	...	3,357	337	10·03

These rates are on the whole lower than in the preceding year. The infant mortality was nowhere so bad as the adult mortality on the Tengrai Estate gardens. The infant mortality was much heavier in the Seesaugor than on the Luckimpore gardens. It is explained that "the infants are born prematurely, and that the mothers are careless." It is not stated that there is any reason for fearing that the mothers are worked so hard as to be unable to do justice to their babies.



15. The Commissioner writes that—

“The percentage of deaths in 1872 according to nationality was:—

	ALL ASSAM.		KAMROOP.		BISHNATH.		CHARDONAR.		MUNGLEDYE.		NOWGONG.		UPPER ASSAM.	
	Average num-ber.	Percentage of deaths.	Average num-ber.	Percentage of deaths.	Average num-ber.	Percentage of deaths.	Average num-ber.	Percentage of deaths.	Average num-ber.	Percentage of deaths.	Average num-ber.	Percentage of deaths.	Average num-ber.	Percentage of deaths.
Bengal ...	9,830.25	5.81	111.3	0.58	568.75	3.64	494.50	5.77	301.75	1.99	307.	3.25	6,067.75	5.37
Chota Nagpore...	7,358	3.54	54.	Nil	106.25	3.96	206.75	1.45	136.	3.67	539.	5.25	4,004.	5.51
North-Western Provinces ...	8,266.50	3.61	60.75	1.07	185.	5.90	313.	2.33	22.25	4.49	35.5	6.67	2,625.	3.58
Nepal ...	51.50	Nil	1	Nil	1.25	Nil	4.25	Nil	Nil	Nil	Nil	Nil	25.	Nil
Madras ...	101.	.58	Nil	Nil	Nil	Nil	13.25	7.64	Nil	Nil	Nil	Nil	177.75	1.19

“Rates of mortality as between women and men in the different circles:—

	Men.	Women.
Kamroop ...	2.89	1.10
Bishnath ...	3.26	3.82
Chardonar ...	3.35	4.30
Mungledye ...	4.83	3.29
Nowgong ...	3.34	5.11
Upper Assam ...	4.79	3.06

It seems then that in 1872, as in the preceding year, the Chota Nagpore coolies fared best of all; but that in 1872 the coolies from the Upper Provinces were the next best, while among Bengalee coolies the death-rate was nearly 50 per cent. higher than it was among Chota Nagpore or Upper Provinces men. In 1871 the Bengalee coolies were throughout healthier than the North-Western Provinces coolies. In recent reports, and also in some of the present papers, coolies from the Upper Provinces are spoken of as being unfit for work in new jungly gardens. However this may be, the statistics of 1872, if correct—and there is on their face no ground for doubting their accuracy—show that in the two great tea districts of Upper Assam the coolies from the North-Western Provinces were very much more healthy than the Bengalee coolies; and it was only in the 37 gardens of the Durrung and Nowgong districts that the death-rate among North-Western Provinces coolies was higher than among Bengalees. No solution of the discrepancy between the results of 1871 and 1872 is offered; but the explanation may be that the newly-imported coolies of 1872 (among whom the mortality of the year chiefly occurred) were 2,378 Bengalees against 659 men from the North-Western Provinces. The planters of Upper Assam, it seems, usually indent for Bengalees or Chota Nagpore coolies rather than for men from the Upper Provinces.

16. The Commissioner and the majority of the inspecting officers report that “the laborers are, as a rule, remarkably contented and well off.” The remarks on the inspection reports of each garden certainly bear out this view. But at the same time the Lieutenant-Governor cannot but feel that there are some grave drawbacks when the mortality is still so very high upon so many gardens in Seebaugor and Luckimpore. He has carefully considered all the reports and returns; he has recently observed closely the peculiarities of the free labor system on the tea estates of Darjeeling; he has inquired into the condition of some of the Cachar tea gardens, where all the laborers are working on daily or monthly wages without any contract; and he is very much inclined to think that it is best to introduce a system of free labor as much as possible. At present new and untried coolies are imported, and they are very often taken to newly-opened or re-opened gardens, where the work is specially hard and the climate peculiarly trying. If newly-imported laborers were kept off new

gardens of this kind, managers would then have to open out unhealthy places with strong, acclimatized, free laborers, who might indeed ask higher wages, but who would certainly do more work and be very much liable to sickness and death. Newly-imported laborers could be introduced to the Assam climate on old well-established gardens, where they would gradually take their fair share of hard garden work.

17. The Lieutenant-Governor has not remarked upon the statistics of "desertions" among coolies. He is glad to learn that many planters in Assam are already beginning to give up the pursuit of runaway coolies, and to trust to good treatment and regular wages to keep laborers on these estates. The inspection reports show that periodical markets, where food can be got cheap and good, are regular institutions on many large gardens, to the great advantage and comfort of the coolies.

18. The statements made by Mr. Minto of the Tengrai estates, which statements are more or less supported by many passages in the inspection reports, are very serious. Careful inquiry will be made in Calcutta as to the way in which coolies are passed by the medical officers in Calcutta and Goalundo, and whether there is real risk or probability of weakly men being substituted for coolies who have passed the medical examination. The Lieutenant-Governor inclines to the view that coolies brought by garden sirdars are more likely to be stout, cheerful workmen than men who are collected by contractors' agents; such agents work among people, and regarding whose future fate they have absolutely no interest whatever.

19. The Lieutenant-Governor is much obliged to the Commissioner for the complete way in which he has examined the labor statistics of Assam for 1872, and for the remarks made by Captain Boyd and Major Sherer, as extracted in the Commissioner's report. The Commissioner will be requested to procure and submit by the 1st November next special reports on all the gardens of which the unhealthiness has been specially noticed by Government in this resolution. In the case of Tengrai estates and other gardens where the death-rate exceeds 8 per cent., the Commissioner should report whether steps ought to be taken for closing them to newly-imported labor. Copy of the annual report and of the two half-yearly reports will be laid before the Select Committee of the Council for their consideration.

ORDER.—Ordered, that a copy of this resolution, and of the communications therein referred to, be forwarded to the Government of India in the Department of Agriculture, Revenue, and Commerce, for information.

That a copy, with copy of the Commissioner's annual and his two half-yearly reports, be forwarded to the Assistant Secretary, Legislative Department, for submission to the Select Committee.

That twelve copies of this resolution, and of the Commissioner's annual report, be forwarded to the Commissioner of Assam for information, and for communication to the several officers concerned. The special reports called for in the last paragraph should consist of the next inspection report, which should be carefully made, and should bring the facts regarding each garden fully up to date. These special reports should be accompanied with any recommendations or expressions of opinion the Commissioner or the Inspectors may wish to offer.

And that copy of the resolution, and of the Commissioner's two half-yearly and annual reports, and also of the Commissioner's letter on the Tengrai estate, be forwarded to the Protector of Emigrants, Calcutta, who is requested to institute careful inquiry into the grounds for the belief that weakly men can be, and are, substituted for passed coolies at Calcutta and Goalundo.

By order of the Lieutenant-Governor of Bengal,

C. BERNARD,

*Offy. Secretary to the Govt. of Bengal.*

## BURDWAN FEVER REPORT FOR MAY 1873.

No. 318, dated Burdwan, the 28th June 1873.

Memo. by—C. T. BUCKLAND, Esq., Commissioner, Burdwan Division.

COPY of this letter, with the Magistrate's report and its enclosures in original, forwarded to the Secretary to the Government of Bengal, Judicial Department, for information, with the request that four printed copies of the papers may be sent to this office.

No. 290, dated Burdwan, the 28th June 1873.

From—C. T. BUCKLAND, Esq., Commissioner of the Burdwan Division,  
To—The Magistrate of Burdwan.

I HAVE the honor to acknowledge the receipt of your No. 129, dated the 24th instant, with its enclosures, regarding the state of the fever in the Burdwan district for the month of May. I beg that in future you will endeavour to submit your report for each month within ten days from the close of the month under report.

2. The general impression to be derived from the present report is satisfactory. There has been no serious increase in the fever anywhere, and there has been a decrease in many places. Your report for April having been sent to Government in original, I am unable to compare the figures for May in detail; but I observe that the daily average attendance at the dispensaries was 4,913 in the week ending 21st April, whereas it had fallen to 4,622 in the week ending 14th May, but it had risen again to 4,832 in the week ending 21st May. And it appears that out of 132,901 persons under treatment during the period to which your statement (No. 3) for May refers, there were only 217 deaths, against 266 deaths among 130,800 persons under treatment during the period reported on for April. These changes, and other favorable or unfavorable indications, are referred by the Civil Surgeon and the medical inspecting officers to the variations of the weather and the temperature.

3. You should have submitted the sketch map prepared by Dr. Dutt in illustration of his report regarding the destruction of drainage in certain villages in the Burdwan circle of inspection. I shall be obliged if you will take an early opportunity of inspecting the villages to which Dr. Dutt refers, and of ascertaining how far the theory which he maintains is supported by the facts when carefully investigated with reference to their coincidence in point of time with the outbreak of the fever.

4. I notice that Dr. Roy, in his report on the Jehanabad circle, has endeavoured, apparently with success, to refute certain statements made in a pamphlet on the epidemic fever in Bengal, regarding the local causes of the prevalence or absence of the epidemic fever in certain parts of the Jehanabad circle.

5. In the Mungleeote circle it appears that three small dispensaries, at Ausgram, Oorgram, and Arore, have been closed during the month. It is stated that "in this circle the people for some reason or other do not appear to appreciate our dispensaries or treatment."

Possibly this is due to the large proportion of the number of the Mahomedan population in this part of the district, and I beg that in your next report you will endeavour to give some further explanation on this subject.

6. It is presumed that the disease to which Dr. Gupta says that the name of *morock* is generally given, and which decimated Mungleeote and other villages, is the epidemic fever of the last four years.

7. The names of the medical officers employed at each dispensary should in future be given in statement No. 1. I hope that after some further experience the Civil Surgeon may find the village compounders more useful.

8. The working of the food depôts appears satisfactory. The explanation of the Deputy Collector is sufficient.

9. I return with thanks the sanitary rules drafted by Dr. French, but, as you observe, they have been anticipated by the rules issued by Government in June 1869.

No. 129P, dated Burdwan, the 24th June 1873.

From—E. H. WHINFIELD, Esq., Officiating Magistrate of Burdwan,  
To—The Commissioner of the Burdwan Division.

I HAVE the honor to submit the fever report for May.

General remarks.

2. In his report for the first half of the month the Civil Surgeon writes as follows:—

"The general health of the population during the fortnight was very satisfactory. Sickness decreased everywhere, and, except in one or two places, cholera disappeared."

Dr. Roy states that it was the most healthy fortnight he has seen in Burdwan. It appears that a diminution of sickness and a fall in temperature occurred simultaneously. An improved condition of the health of the villagers exists everywhere. New cases of fever have been reduced to a minimum, and dysentery and diarrhoea form an insignificant number of the total attendance in the dispensary.

"Baboo Dinobundoo Dutt states: 'In consequence of the late rains the fever has generally abated in his circle, and, with the exception of one or two places, measles and small-pox have disappeared. The fall of temperature alluded to in my last report has acted favourably on the health of the people.' Further on he says: 'It appears to me that the increase or decrease in the number of fever cases in a great measure depends on the variations of meteorological conditions. The indifferent and scanty rainfalls in March and April tended, I think, to increase the fever soon after showers; but I believe the fall being more copious in the present month, and attended with the blowing of strong wind, the temperature considerably fell.'

"The sickness was certainly greater during the hot dry days; but then why did it begin to increase after the cooling rain in March, and decrease after the rain of April and May? It may be perhaps conjectured that the rain in March produced a degree of cold which was incompatible with health in badly clad individuals, whereas the rain in April and May, after extremely hot weather, produced such a degree of cold as would act favorably on the system.

"In former reports Dr. Roy ascribed the increase of fever to the ploughing of the lands, but now we find that while the ploughing went on the fever decreased; so apparently it had no effect in producing disease."

In his report for the second half of the month, the Civil Surgeon has the following remarks:—

"Since the 15th of May there was a slight increase in the number of fresh fever cases and new admissions. The increase has been, however, so slight that it is hardly worth noticing. The only inspecting medical officer who dwells much on the subject is Sub-Assistant Surgeon Dinobundoo Dutt of the Bood-Bood circle, who ascribes it to the excessive heat. He says: 'There has been evidently a slight increase of fever in many places as compared with what existed in the previous fortnight. A few cases of new fever occurred in several localities, owing, I suppose, to a rise in temperature in the fortnight under review. The weather, which had completely cooled down from the rains and storms which occurred about the beginning of the month, had led to a marked abatement of the fever; the improvement, however, was a short-lived one, and no sooner the temperature rose again, than an increase was observed.' Further on he again writes: 'It is probable, therefore, that when the soil is moistened by rainfall, the exhalations rising from it under the influence of heat, should tend to the development of fever. Dr. Dutt of the Burdwan circle states that the amount of sickness during the fortnight underwent neither increase nor decrease. Dr. Roy of the Jehanabad circle states the same, and also that new cases of fresh fever are getting rare. Dr. Gupta of the Munglecoto circle states that the fever is abating.

"The returns coming in from the dispensaries show that there was in some places a slight increase in both the attendance and in the number of fresh admissions in the third week in May. As yet we have had no fresh outbreak of fever in any place, and no fresh or healthy village has been attacked.

"Cholera has everywhere decreased, but a few cases of measles are reported from some places.

"Although we have had a storm and some rain on the 5th instant, the rains have not as yet set in."

The number of dispensaries open, and their cost, are shown in tables 1 and 6.

#### REMARKS ON PARTICULAR CIRCLES.

3. **Burdwan.**—"The daily average sick attending the dispensaries in the circle for the week ending 7th May was 1,553·3. For the week ending 7th May there was one dispensary (Tickerhaut) the daily average attendance at which exceeded 200; eight dispensaries had over 100 per day; and four had less than 100, but more than 50 per diem.

"Dr. Dutt, inspecting medical officer of this circle, in his report reviews the observations made by him in previous reports on the origin or cause of the Burdwan fever. He is of opinion that it is owing to obstruction of drainage and a water-logged subsoil. He submits a sketch map showing part of his circle, and traces the history of the drainage in it from former years. He shows a gradual change has been going on, and that khals which formerly existed, and which he considers were navigable streams, have now dried up, or exist as ponds only, in many places. He states that at Keshera, Boyta, Palsheet, and Rypore,

the main drains are obstructed. In all these villages the outbreak of fever has been very severe; in many it was nearly simultaneous. Pootundah, Corundah, and Kharga, are examples of tolerably good drainage. Fever has been later in appearance, and much less in severity in these than in the other villages already mentioned.

"In Baldanga and Kutrapotah Dr. Dutt remarks that many medicines were omitted from the invoice in the latter end of April. This was owing to our supplies in the medical store having run out.

"The daily average sick attending the dispensaries in this circle for the week ending the 7th of May was 1,553.8; for the week ending the 14th it was 1,611.0; and for the week ending 21st of May it was 1,707.6. The attendance at Koormon went up from 65.7 to 104, and at Jabooi, from 144.1 to 167.2. Eight dispensaries show an increase, and five a decrease, in the daily average sick attendance for the week ending the 21st May as compared with the previous week.

"Tikerhaut had 254.2 attending daily; nine had over 100 per day, and three less than 100.

*Bood-Bood.*—"The daily average number of sick attending the dispensaries in this circle for the week ending the 7th May was 695.6. For the week ending the 7th May no dispensary had 200 attending per day, three had over 100, and five had less than 100.

"In Baghar Sub-Assistant Surgeon Dinobundoo Dutt states that the health of the people has considerably improved; that here fever abated since the rain in the first week in May; and that in the village of Taht fever decreased with the decrease in temperature. In Mahachanda he states that there was a good deal of continued fever in April, and that an abatement has been observed since the rainfall. In Jooblay or in the adjacent villages he states that there has been no abatement.

"In the first fortnight in May there were five cases of cholera in village Incoona, near Adrah, of whom three died. There was one case (fatal) in the village of Mourah, also near the same dispensary. Cholera has disappeared from all other places.

"Bahoo Dinobundoo Dutt, at the close of his report, states that with every rise of temperature after a rainfall, an aggravation of sickness is invariably noticed.

"The daily average sick attending the dispensaries in this circle for the week ending 7th May was 695.6; for the week ending the 14th May it was 603.9; and for the week ending 21st May it was 584.8.

Four dispensaries show a very slight increase, and four a greater decrease. Only one dispensary (Khanu) had over 100 per diem attending, all the others had less than 100. Sub-Assistant Surgeon Dinobundoo Dutt states that although there was an increase in the number of fever cases and fresh admissions, there was a diminution in the daily average attendance owing to the great heat. This was the case at Baghar, Mahachanda, Jooblay, and Adrah. In the villages of Pilgram, Joykristopore, and Boramora, near Kanor, a few new cases of fever were met with. This tract is very unhealthy, and will, I am afraid, suffer more severely as the season advances.

"In Adrah there is no very little sickness. The attendants at the dispensary come from adjacent villages. In village Kulparah, near Jooblay, it is said that fever has increased since 14th May.

"In the villages round Adrah, such as Belan, Incoona, and Mourah, there were eleven fatal cases and nine recoveries in the second and third weeks in May. At Goytoupore there was one successful case in the third week.

"This disease is now apparently dying out.

*Jehanabad.*—"The daily average sick attending the dispensaries in the circle for the week ending the 7th May was 1,917.8. During the week ending 7th May two dispensaries (Akloky and Jamalpore) had over 250 patients daily attending, seven had over 100, and three had less than 100.

"In his report Dr. Roy refutes some of the erroneous statements given in a pamphlet on the "Epidemic Fever in Bengal," and which previously appeared in the *Hindoo Patriot*. Thus the pamphlet states that the Gurbari Khal, which drains Jehanabad and other villages, was bunded up and obstructed by the zemindar in 1866 and 1867, and that this look-up was in the following year the cause of endemic fever in all the villages which this khal drained. Dr. Roy, after investigation on the spot, found that no obstruction existed for five years previous to this outbreak of the epidemic, and at the time it did make its appearance the obstruction was no longer in existence, and the khal was quite patent and has remained so up to the present day. Again the writer of the pamphlet attributes the fever to the bunding of the Rana Nudi in 1866-67. Dr. Roy shows that the bunding was nothing new, but had been carried on for ages.



"Further on we find in the pamphlet the erroneous statement that Chandon village did not suffer from the fever owing to the fact of its situation on a particularly elevated plot of land, removing it thereby from the influence of those obstructions which have effectually shut out the drainage of the surrounding comparatively low-lying villages.

"Dr. Roy states—which is quite true—that for two or three years before the time the above paragraph was going through the press, the village of Chandon was being decimated by fever, and suffered the saddest desolation amongst the villages in the sub-division of Jehanabad. A dispensary was established in the village. Dr. Roy states that its elevated position and better drainage were no safeguards from the ravages of the epidemic.

"The daily average sick attending the dispensaries in this circle for the week ending 7th May was 1,917·8; for the week ending 14th it was 1,836·8; and for the week ending the 21st May it was 1,989·60. The dispensaries in this circle continue to have a large number of applicants for relief. Akloky dispensary has 320·1 per day, Jamalpore 281·7, and Bally 208·7. Three dispensaries have over 150, three have between 100 and 150, and 2 have under 100. All the dispensaries show an increase in the week ending 21st May as compared with the previous week.

"Dr. Roy gives an inspection report of the tract of country on the western side of the Damoodah from Hijulna to Bogo and Gotan. This tract of country is subject yearly to great inundation in consequence of the breaches in the embankment at Hijulna and Bogo. This tract is drained by the Bachonda khal, which runs parallel to the Damoodah. From the banks of this khal the country rises to a considerable degree, so that the villages close to it are on elevated ground. The villages of Suukta, Dhamuari, and Soobulda, on the western side of this khal, have suffered very little from the endemic fever, and are now healthy. They are on elevated ground, and have good water and good drainage.

**Munglecote.**—"The daily average sick attending the dispensaries in this circle for the week ending 7th May was 695·5, one dispensary (Reshera) has over 200 patients attending daily; Pogran has over 100; three have over 50; and three have less than 50. In this circle the people for some reason or other do not appear to appreciate our dispensaries or treatment.

"There was no cholera during the fortnight in the Munglecote circle. On the closing of the three small dispensaries of Ausgram, Oorgram, and Arore in this circle, there will be only five dispensaries under the inspecting medical officer.

"In the Jehanabad circle the medical officer has 12, in the Burdwan circle 13, and in the Bood-Bood circle 8. It is clear therefore that we must make some changes in order to equalize the work.

"The daily average sick attending the dispensaries in this circle for the week ending the 7th May was 639·8; for the week ending the 14th it was 570·9; and for the week ending the 21st May it was 550. This part of the district appears to be the most healthy at present. Only one dispensary (Reshera, formerly Chanoke) has over 150 daily attending. The seven others have each less than 100.

"Dr. Gupta is examining a tract of country north of the Adjyc river and north and west of Pultia, where the endemic fever has not as yet appeared. Dr. Gupta writes that 'the people in general, including the children, enjoy good health; and I found scarcely any case with enlarged spleen and malarious cachexia. The people of the villages were unanimous in telling me that these villages were never subjected to what is generally called *morock*, which decimated such villages as Munglecote, Mahalta, Diguagore, and Shor, in the south and south-west.'

"The dispensaries were all in good order. In Oorgram and Ausgram the native doctors were sick for a few days, and were then unable to visit.

"Fever is declining, and no cholera is reported."

#### MEDICAL OFFICERS EMPLOYED

4. The medical officers employed appear to have discharged their duties well on the whole during the month, but Dr. French still complains of the conduct of many of the village compounders. The new system of payment through the inspecting officers instead of through the police was introduced during the month, and the inspecting officers now complain of the increase of work thereby entailed on them, and of some of the bills drawn by them being returned as incorrect. I have examined these bills, and find they certainly did require correction. To prevent mistakes in future I am going to supply printed forms, and I have already sent the Civil Surgeon some bills filled up in this office as patterns for guidance.



## METEOROLOGY.

5. The Civil Surgeon remarks on the rainfall and temperature of the month as follows :—

“ In comparison with the weather which we had in the middle of April, the first fortnight was comparatively cool and pleasant. Rain fell on the 2nd, 3rd, 4th, and 6th. The maximum temperature in the fortnight was  $101^{\circ}$ , and the daily range did not exceed  $23^{\circ}$ . On the 4th the range was as low as  $13^{\circ}$ . The minimum temperature in the fortnight was  $68^{\circ}$  on the morning of the 6th, and the total rainfall during the four days amounted to 2·71 inches. The prevailing wind was south or south-west.

“ From the 15th to 23rd the temperature steadily increased. On the 21st and 22nd the maximum temperature in the shade was  $108^{\circ}$ , and on the 23rd it was  $109^{\circ}$ . The weather was very hot and dry. From the 24th to the 31st it was cooler, but still hot; the temperature varying from  $93^{\circ}$  to  $100^{\circ}$ . On the 26th there was a storm, and 0·73 inch of rainfall. After the storm the daily thermometric range decreased. On 19th the range was as much as  $30^{\circ}$ , and from 15th to 26th it varied between  $20^{\circ}$  and  $27^{\circ}$ . After the rain it fell on 27th to  $16^{\circ}$ , and on 29th it was  $14^{\circ}$ . The prevailing wind was south.”

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DISTRICT ROAD FUND.

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No. 258.

*The 14th July 1873.*

**Notification.**—The following extract from the Proceedings of the Lieutenant-Governor of Bengal, relative to the accounts of the Receipts and Expenditure of the District Road Fund for the second quarter of the current cess year, is published for general information:—

No. 3549.

*Extract from the Proceedings of the Hon'ble the Lieutenant-Governor of Bengal in the Public Works Department (Local Accounts), under date the 12th July 1873.*

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*Read again* Proceedings of this Department, No. 2090 dated the 15th April 1873, having reference to the submission by the Controller of Public Works Accounts in Bengal of the Abstract of Receipts and Expenditure of the several District Road Funds for the quarter ending December 1872.

*Read also* Memorandum No. 5935 of 23rd June 1873, from the Controller of Public Works Accounts in Bengal, submitting an abstract of the Receipts and Expenditure of the several District (Road) Committees for the quarter ending 31st March 1873, and soliciting their publication in the Gazette as usual.

**RESOLUTION.**—The Lieutenant-Governor directs that the accounts of the Receipts and Expenditure of the District Road Fund for the second quarter of the current cess year, as submitted by the Controller, be published in the *Calcutta Gazette* and circulated to the Officers of Government concerned.

**ORDERS.**—That a copy of these proceedings, with a copy of the Abstract of Receipts and Expenditure, be published in the Supplement to the *Calcutta Gazette*.

That a copy of the above, as well as of the abstract referred to, be forwarded to the Secretary to the Government of Bengal, General Department, Financial Branch, for information. Also that copies of each be forwarded to all Commissioners, to all Superintending Engineers, to the Accountant-General, Bengal, and to the Controller of Public Works, Bengal, for information and guidance.

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DISTR

## Quarterly Abstract of Receipts and Expenditure of the several District

NAMES OF DISTRICTS.	Balance on 1st January 1873.	REVENUE UNDER DISTRICT ROAD CESS ACT OF 1871.					Road Cess leviable otherwise than under the District Road Cess Act.	RECEI	
		Cess on lands.	Cess on houses.	Cess on mines and railways.	Fines.	Total.		Road Tolls.	Ferry T
	Rs. A. P.	Rs. A. P.			Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs.
Burdwan*	26,540 4 3	.....	.....	.....	.....	.....	91 0 7	1,155 13 11	1,571
Bancoorah	16,260 1 6	.....	.....	.....	.....	.....	76 3 11	614 4 0	13
Beerbhoom	22,307 12 10	.....	.....	.....	.....	.....	.....	3,015 14 0	241
Midnapore	28,401 10 5	.....	.....	.....	.....	.....	1,218 9 11	1,349 8 0	454
5 Hooghly*	37,295 5 8	.....	.....	.....	10 0 0	10 0 0	162 9 4	2,806 14 0	1,110
24 Pergunnahs*	16,280 13 8	.....	.....	.....	128 0 0	128 6 0	.....	2,414 15 6	4,439
Nuddea*	1,760 12 6	.....	.....	.....	346 13 4	346 13 4	.....	785 15 0	4,317
Jessore*	21,748 7 0	.....	.....	.....	77 0 0	77 0 0	.....	833 2 0	1,643
Moorsheadabad*	9,208 4 6	.....	.....	.....	160 12 0	169 12 0	.....	606 0 0	6,449
10 Dinagepore	15,060 10 1	.....	.....	.....	.....	.....	.....	205 0 0	121
Maldah	5,426 7 9	.....	.....	.....	.....	.....	.....	1,900 0 0	6,528
Rajshahye*	8,552 3 4	.....	.....	.....	2,253 10 7	2,253 10 7	33 13 6	1,001 2 0	6,401
Rangpore	19,337 2 3	.....	.....	.....	.....	.....	.....	163 0 0	1,524
Bograh	10,203 2 0	.....	.....	.....	.....	.....	.....	230 0 0	2,031
15 Pubna	8,580 10 0	.....	.....	.....	.....	.....	.....	.....	137
Darjeeling	37,135 12 1	.....	.....	.....	.....	.....	.....	.....	259
Jalpaigoree	16,811 3 4	.....	.....	.....	.....	.....	.....	.....	3
Dacca*	5,166 10 3	.....	.....	.....	301 0 0	301 0 0	343 12 1	.....	3,631
Furruckpore*	1,581 15 1	532 4 10	.....	.....	90 12 6	823 1 4	.....	.....	301
20 Backergunge	2,911 0 0	.....	.....	.....	.....	.....	3,850 2 5	.....	1,303
Myraensing	9,017 15 5	.....	.....	.....	.....	.....	.....	.....	1,227
Sylhet	10,213 14 0	.....	.....	.....	.....	.....	.....	.....	735
Cachar	38,212 8 10	.....	.....	.....	.....	.....	.....	.....	3,330
Chittagong	21,708 3 0	.....	.....	.....	.....	.....	.....	.....	341
25 Nonkanilly	1,453 1 11	.....	.....	.....	.....	.....	.....	312 0 0	2,503
Tipperah*	0,020 5 6	224 15 2	.....	.....	395 0 0	619 15 2	.....	.....	935
Chittagong Hill Tracts	19,022 15 7	.....	.....	.....	.....	.....	.....	.....	.....
Petua	25,337 13 0	.....	.....	.....	.....	.....	504 6 10	2,146 15 0	10,480
Gya	10,712 15 1	.....	.....	.....	.....	.....	.....	2,364 3 0	647
30 Shahabad	8,000 3 5	.....	.....	.....	.....	.....	8,826 1 3	.....	9,453
Tirhoot	60,934 5 4	.....	.....	.....	.....	.....	.....	.....	37,787
Saran	22,115 7 3	.....	.....	.....	.....	.....	08 3 2	476 0 8	21,563
Chumpraun	18,817 13 0	.....	.....	.....	.....	.....	.....	79 12 4	5,012
Monghyr*	10,755 4 10	.....	.....	.....	15 0 0	15 0 0	1,292 11 0	3,160 13 4	6,068
35 Bhagalpore*	45,465 13 11	.....	.....	.....	96 0 0	96 0 0	.....	.....	5,218
Purneah	6,837 4 3	.....	.....	.....	90 0 0	90 0 0	00 9 1	.....	395
Southal Pergunnahs	30,634 7 10	.....	.....	.....	.....	.....	.....	.....	.....
Cuttack*	12,843 3 1	.....	.....	.....	65 0 0	65 0 0	.....	.....	1,348
Pooree*	10,745 0 5	.....	.....	.....	.....	.....	.....	.....	0
40 Balasore*	8,224 8 9	2,873 13 9	.....	.....	.....	2,873 13 9	.....	.....	.....
Hazareebaugh*	8,840 13 7	.....	.....	.....	.....	.....	.....	.....	.....
Loharduggah	27,921 0 8	.....	.....	.....	.....	.....	.....	.....	332
Singbhoom	6,800 1 9	.....	.....	.....	.....	.....	.....	.....	.....
Maunthoon	13,500 12 0	.....	.....	.....	35 0 0	35 0 0	.....	19 0 0	.....
45 Goalpara	9,911 1 10	.....	.....	.....	.....	.....	0 9 3	.....	2,013
Kauroop	14,756 15 0	.....	.....	.....	.....	.....	.....	.....	3,603
Durrung	7,839 12 8	.....	.....	.....	.....	.....	.....	.....	2,900
Nowgong	7,951 0 1	.....	.....	.....	.....	.....	.....	.....	443
Sebenagor	2,170 4 2	.....	.....	.....	.....	.....	.....	.....	2,978
60 Luckimpore	8,237 9 6	.....	.....	.....	.....	.....	.....	.....	817
Naga Hills	2,990 0 0	.....	.....	.....	.....	.....	.....	.....	.....
63 Khasi and Jynteah Hills	3,025 4 2	.....	.....	.....	.....	.....	.....	.....	.....
Garo Hills	19,809 3 0	.....	.....	.....	.....	.....	.....	.....	.....
Total	8,28,139 14 5	3,031 1 9	.....	.....	4,273 0 5	7,004 2 2	10,576 12 4	26,647 4 4	1,63,160

\* Districts in which the

## ROAD FUND.

mittees of the 2nd Quarter of the Cess Year 1872-73, ending 31st March 1873.

IPTS.

FROM TOLLS.		Grant-in-aid from Provincial Reserve Fund.	Sales of pro- duce and Stores.	Fines and refunds.	Miscella- neous.	Total receipts.	Total, including balance.	Outlay.	Balance.
Canal or River Tolls.	Total.								
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
...	2,726 14 9	30,000 0 0	8 1 6	...	31 0 0	32,867 0 10	59,408 5 1	18,272 14 0	41,133 7 1
...	627 4 0	...	...	...	...	703 7 11	18,072 9 5	259 10 1	16,713 15 4
...	8,257 5 0	...	...	...	...	3,257 6 0	25,595 2 10	4,280 15 0	21,284 3 10
...	1,834 7 0	25,000 0 0	4 12 6	207 9 11	68 8 0	28,369 15 4	59,761 9 9	9,082 0 11	47,079 8 10
...	8,917 12 9	30,000 0 0	10 14 0	...	69 13 6	31,171 1 7	71,466 7 3	8,108 2 3	63,298 5 0
...	6,854 8 3	50,000 0 0	11 12 0	213 0 0	...	67,207 4 3	73,507 1 11	18,087 3 7	67,419 14 4
...	5,103 6 0	30,000 0 0	...	...	...	35,150 3 4	37,210 15 10	18,181 1 10	18,729 14 0
...	2,475 10 3	30,000 0 0	...	...	...	32,552 10 3	64,301 1 3	4,570 8 10	49,730 8 5
...	7,055 12 0	...	...	0 2 6	200 11 3	7,426 5 9	16,634 10 3	10,788 12 9	5,845 13 6
...	328 0 0	...	...	...	34 8 0	360 8 0	16,311 2 1	3,964 4 3	12,346 13 10
...	8,518 15 6	...	...	13 12 3	10 12 0	8,553 7 9	13,978 15 6	3,244 0 9	10,734 14 9
...	8,305 13 0	...	...	92 10 0	8 13 0	10,694 12 7	19,210 15 11	4,273 5 6	14,974 10 6
...	1,887 12 0	...	...	...	...	1,087 12 0	21,024 14 3	5,713 7 11	15,011 6 4
...	2,267 4 0	...	...	...	...	2,267 4 0	12,470 0 0	480 10 0	11,983 11 6
...	137 8 0	...	...	...	108 15 6	336 7 0	8,917 1 6	2,115 7 0	6,771 10 6
...	259 8 0	...	...	8,417 7 9	4,145 7 8	12,823 2 5	49,957 14 0	9,183 11 2	40,774 3 4
...	3 0 4	...	...	24 6 4	...	27 6 8	16,838 10 0	10,792 9 9	6,046 0 3
...	3,984 14 9	18,356 10 3	...	6 9 3	2 12 0	23,945 10 4	20,112 4 7	28,202 4 7	910 0 0
...	301 0 0	15,000 0 0	37 8 0	...	75 1 9	16,236 11 1	17,818 10 2	3,617 10 6	14,170 15 8
...	1,303 9 6	...	...	...	3,500 0 0	8,653 11 11	11,564 11 11	7,270 2 6	4,294 9 5
...	1,227 6 6	...	...	...	...	1,227 6 6	10,845 5 11	7,412 7 0	3,432 14 11
...	735 0 0	...	...	...	105 0 0	840 0 0	11,053 14 0	1,344 8 0	9,709 6 0
...	3,339 0 0	...	32 4 0	5 0 0	282 10 10	3,658 14 10	41,871 7 8	15,725 6 7	26,146 1 1
665 7 8	1,010 6 0	0 4 2	182 15 6	...	...	1,103 9 8	22,901 12 8	4,794 1 0	18,107 11 8
...	2,905 15 0	...	...	...	...	2,905 15 0	4,359 0 11	2,330 14 0	2,028 2 11
...	935 11 0	2,200 5 1	...	92 8 4	0 5 0	3,848 10 8	9,878 0 2	8,370 8 3	1,507 7 11
...	...	...	...	...	...	...	19,022 15 7	9,011 7 9	9,111 7 10
...	12,636 7 7	...	...	3,730 8 0	306 1 9	17,107 8 2	42,535 5 8	10,235 10 2	32,299 11 6
...	2,411 11 0	7,230 0 0	...	...	...	10,241 11 0	20,954 10 1	6,129 8 1	14,825 2 0
...	9,453 14 5	202 10 2	...	25 0 0	324 4 5	18,831 14 3	27,798 1 8	10,369 13 0	17,428 5 8
...	37,787 14 7	...	...	...	137 8 0	37,925 6 7	98,859 11 11	20,301 12 0	78,557 15 11
...	22,039 9 5	...	...	...	187 7 6	22,295 4 1	44,410 11 4	12,903 15 8	31,506 11 8
...	5,122 3 0	...	...	...	...	5,122 3 0	23,070 0 8	4,829 4 3	19,140 12 3
...	9,226 8 4	...	15 12 0	...	...	10,550 0 4	27,305 5 2	13,311 5 3	13,983 15 11
...	5,218 15 4	...	...	...	351 10 2	5,666 9 0	51,132 7 5	7,099 2 4	43,163 5 1
...	395 4 0	...	...	9,035 10 8	...	9,581 7 9	16,418 12 0	3,806 6 4	12,612 5 8
...	1,318 11 0	...	0 14 9	1 0 0	400 12 0	402 10 9	30,437 2 7	6,959 15 6	23,477 3 1
...	9 0 0	...	4,613 10 6	4 7 0	...	6,031 12 6	18,874 15 7	4,917 10 3	13,957 5 4
...	...	...	44 10 6	16 12 0	...	...	10,745 0 6	1,851 15 1	8,893 1 5
...	...	...	...	...	...	2,044 4 3	11,108 13 0	5,372 6 0	5,796 6 6
...	...	10,000 0 0	...	...	...	10,000 0 0	18,810 13 7	1,825 8 11	17,015 4 8
...	832 6 0	...	...	...	...	332 6 0	24,253 6 8	3,465 14 1	24,787 8 7
...	18 0 0	...	...	1,007 0 0	...	1,120 0 6	8,860 1 9	1,720 0 1	7,140 1 8
...	2,013 9 1	...	...	...	...	2,014 2 4	14,710 12 6	1,357 6 10	13,353 5 8
...	8,608 14 3	...	...	...	...	3,603 14 3	18,420 13 3	11,471 8 0	6,949 4 6
...	2,900 8 6	10,000 0 0	...	600 0 0	2,521 5 8	16,021 14 0	23,861 10 8	8,627 3 0	15,234 7 8
...	443 8 0	...	...	...	44 0 0	487 8 0	7,538 14 1	3,916 5 8	3,622 8 10
...	2,978 0 0	1,010 1 10	...	100 0 0	35 8 0	4,123 9 10	7,093 14 0	6,797 11 0	298 3 0
...	817 8 0	...	...	...	...	817 8 0	9,055 1 6	4,585 3 7	4,469 13 11
...	...	...	...	...	...	...	2,000 0 0	1,208 1 2	791 14 10
...	...	...	...	...	...	...	5,025 4 2	1,013 10 9	2,011 9 5
...	...	...	...	...	...	...	19,860 3 0	2,833 13 9	17,026 5 8
665 7 8	1,20,469 1	12,59,999 15 7	166 9 3	23,445 9 6	13,054 7 4	5,10,610 9 3	13,44,756 7 8	3,81,088 6 10	9,63,608 0 10

Cess Act is in force.

## DISTRICT

## Quarterly Abstract of Receipts of the several District Committees of

NAMES OF DISTRICTS.	EXPEN								
	COLLECTION OF REVENUE AND COMMITTEES' CONTROL.			Refunds.	ORIGINAL WORKS.				Roads and Bridges.
	Establishment.	Contingencies.	Total.		Roads and Bridges.	River and Canal Works.	Ferries.	Total.	
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Burdwan*	1,379 9 0	1,743 15 3	3,123 8 3	...	...	...	...	...	14,118 15 9
Bancoorah	...	...	...	...	...	...	...	...	184 15 9
Beerbhoom	...	...	...	...	449 4 6	...	...	449 4 6	3,099 10 6
Midnapore	...	...	...	...	4,291 5 9	...	...	4,291 5 9	4,659 6 9
5 Hooghly*	1,451 7 0	101 7 0	1,556 14 9	...	614 8 0	...	...	614 8 0	5,409 7 3
24 Pergunnahs*	1,206 9 11	206 3 8	1,422 18 7	...	198 8 0	...	...	198 8 0	13,978 0 3
Nuddea*	1,439 6 9	62 1 3	1,501 8 0	...	73 14 3	...	...	73 14 3	16,689 11 7
Jessore*	1,649 7 8	204 13 7	1,814 5 3	...	...	...	...	...	2,074 6 6
Moorshedabad*	1,617 3 7	335 7 0	1,952 11 1	...	2,990 0 9	...	...	2,990 0 9	5,626 12 3
10 Dinapore	63 10 3	...	63 10 3	...	66 4 0	...	...	66 4 0	8,683 6 0
Maldah	...	...	...	...	...	...	...	...	3,172 9 9
Rajshahye*	1,373 2 0	131 0 6	1,504 2 6	177 8 0	321 15 6	0 5 0	...	322 4 6	2,110 0 6
Rungpore	30 0 0	...	30 0 0	...	...	...	...	...	5,675 10 5
Bograh	69 0 0	...	69 0 0	...	...	...	...	...	417 10 6
15 Pubna	...	...	...	...	...	...	...	...	1,845 7 0
Darjeeling	526 0 0	142 5 3	668 5 3	138 0 0	856 0 0	...	...	856 0 0	7,521 5 11
Julpigoree	...	...	...	7,188 3 0	903 1 3	...	...	903 1 3	1,890 7 9
Dacca*	1,601 8 10	420 10 0	2,031 2 10	...	25,644 12 3	...	...	25,644 12 3	299 5 6
Furzedpore*	1,152 9 3	122 15 8	1,275 8 11	...	1,614 9 6	...	...	1,614 9 6	423 11 1
20 Backergunge*	60 0 0	1 0 0	61 0 0	...	2,400 0 0	...	...	2,400 0 0	4,609 2 0
Mymensing	1,098 11 0	1 8 0	1,100 3 0	...	...	...	...	...	6,228 4 0
Sylhet	...	...	...	...	300 0 0	...	...	300 0 0	781 8 0
Cachar	...	...	...	...	9,752 6 11	...	...	9,752 6 11	4,007 13 1
Chittagong	126 0 0	84 0 0	210 0 0	...	2,719 0 0	215 0 0	...	2,934 0 0	1,650 1 0
25 Noakhally	...	...	...	...	974 0 0	...	...	974 0 0	1,296 14 0
Tippurah*	1,629 1 11	148 14 3	1,778 0 2	475 0 0	3,188 2 0	1,043 7 6	...	4,230 9 6	1,521 8 9
Chittagong Hill Tracts	...	...	...	...	8,679 10 9	...	...	8,679 10 9	414 2 0
Patna	...	...	...	...	...	...	...	...	9,858 14 2
Sya	...	...	...	...	3,795 4 1	...	...	3,795 4 1	2,250 4 0
30 Shahabad	...	...	...	...	1,937 0 6	...	...	1,937 0 6	7,841 11 6
Tirhoot	...	...	...	...	6,035 12 6	...	...	6,035 12 6	10,873 8 8
Sarun	180 0 0	40 5 0	228 5 0	200 0 0	5,338 0 9	...	...	5,338 0 9	7,082 12 5
Chumparun	57 0 0	5 0 0	62 0 0	...	120 1 0	...	...	120 1 0	4,283 15 6
Monghyr*	944 0 0	126 14 0	1,070 14 0	...	7,740 11 0	...	...	7,740 11 0	4,283 5 9
35 Bhaugulpore*	1,055 13 2	173 0 0	1,229 13 2	...	1,253 10 0	...	...	1,253 10 0	5,195 11 2
Farruck	1,240 1 5	83 14 3	1,323 16 8	3 12 0	...	...	...	...	2,478 10 8
Bonthal Pergunnahs	...	1 0 0	1 0 0	...	3,281 0 11	...	...	3,281 0 11	3,222 14 6
Cuttack*	874 14 3	775 5 6	1,650 3 9	...	...	...	...	...	3,267 6 6
Peores*	...	...	...	...	402 14 3	...	...	402 14 3	1,389 0 10
40 Belasore*	1,044 1 0	44 14 0	1,088 15 6	...	378 7 0	...	...	378 7 0	3,200 0 0
Hazareebaugh*	644 8 8	111 13 2	756 6 10	596 3 1	...	...	...	...	478 0 0
Loharduggah	...	...	...	...	...	...	...	...	3,405 14 1
Singbhoom	...	...	...	...	...	...	...	...	1,438 2 6
Maunbhoom	1,094 12 10	87 10 0	1,182 0 10	...	...	...	...	...	...
45 Gos'parah	...	...	...	12 4 0	...	...	...	...	3,608 2 3
Kamroop	...	...	...	...	...	...	...	...	11,471 8 9
Darrung	...	...	...	...	...	...	...	...	8,627 3 0
Nowgong	...	...	...	...	150 0 0	...	...	150 0 0	3,620 5 2
Seesaugor	...	...	...	...	...	...	...	...	6,650 11 0
50 Luckimpore	...	...	...	...	314 0 6	...	...	314 0 6	3,756 7 3
Naga Hills	...	...	...	...	1,208 1 2	...	...	1,208 1 2	...
Khasi & Jynteah Hills	...	...	...	...	...	...	...	...	957 10 9
63 Garo Hills	...	...	...	...	1,936 13 9	...	...	1,936 13 9	13 4 6
Total	23,509 11 0	6,214 2 4	29,753 14 1	8,788 14 1	90,935 4 10	1,257 12 6	...	1,01,193 1 4	2,22,388 11 4

\* Districts in which the Road

Dated the 16th June 1873.

## ROAD FUND.—(Continued.)

the 2nd Quarter of the Cess Year 1872-73, ending 31st March 1873.

## DITURE.

REPAIRS.			Total Original Works and Repairs.	ESTABLISHMENT.			Tools and Plant.	Total Outlay.	REMARKS.
River and Canal Works.	Ferries.	Total.		Public Works Establish- ment.	Other Establish- ments.	Total.			
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
...	65 0 0	14,181 15 9	14,181 15 9	...	967 6 0	967 6 0	...	18,272 14 0	
...	...	184 15 0	184 15 0	...	74 10 4	74 10 4	...	250 10 1	
...	...	3,009 10 0	4,148 15 0	...	132 0 0	132 0 0	...	4,280 15 0	
...	55 12 9	4,715 3 0	9,000 9 3	...	675 7 8	675 7 8	...	9,082 0 11	
...	181 1 6	5,590 8 9	6,205 0 9	...	407 2 9	407 2 9	...	8,168 2 3	
...	...	13,978 6 3	14,176 14 3	...	487 7 9	487 7 9	...	16,087 3 7	
...	...	16,589 11 7	18,063 9 10	...	105 0 0	105 0 0	211 0 0	18,481 1 10	
...	...	2,074 6 0	2,074 6 0	...	193 6 4	193 6 4	488 7 9	4,570 8 10	
...	...	5,626 12 3	6,622 13 0	...	121 11 8	121 11 8	91 9 0	10,788 12 9	
...	...	3,083 6 0	3,749 10 0	...	...	...	151 0 0	3,964 4 3	
...	...	3,172 0 0	3,172 9 9	...	71 7 0	71 7 0	...	3,244 0 9	
...	...	2,110 0 0	2,432 11 0	...	118 0 0	118 0 0	40 0 0	4,272 5 6	
...	...	5,676 10 5	5,676 10 5	...	...	...	107 13 6	5,713 7 11	
...	...	417 10 0	417 10 6	...	...	...	...	486 10 6	
...	...	1,845 7 0	1,815 7 0	...	300 0 0	300 0 0	...	2,145 7 0	
...	...	7,521 5 11	8,377 5 11	...	...	...	...	9,183 11 2	
...	266 13 9	2,157 5 6	3,000 0 0	...	546 0 0	540 0 0	...	10,792 9 9	
...	...	209 5 0	26,854 1 9	...	317 0 0	317 0 0	...	28,202 4 7	
...	...	422 11 1	2,037 4 7	...	246 0 0	246 0 0	82 13 0	3,617 10 6	
...	...	4,509 2 6	6,909 2 6	...	300 0 0	300 0 0	...	7,270 2 6	
...	9 0 0	6,237 4 0	6,237 4 0	...	75 0 0	75 0 0	...	7,412 7 0	
...	...	881 8 9	1,181 8 0	...	163 0 0	163 0 0	...	1,344 8 0	
...	...	4,007 13 1	13,780 4 0	...	1,275 0 0	1,275 0 0	690 2 7	15,725 6 7	
...	...	1,050 1 0	4,584 1 0	...	...	...	...	4,794 1 0	
...	...	1,296 14 0	2,270 14 0	...	60 0 0	60 0 0	...	2,330 14 0	
...	...	1,621 8 9	5,752 2 3	...	120 0 0	120 0 0	245 5 10	8,370 8 3	
...	...	414 2 0	9,093 12 9	...	297 0 0	297 0 0	520 11 0	9,911 7 9	
...	...	9,858 14 2	9,858 14 2	...	376 12 0	376 12 0	...	10,235 10 2	
...	...	2,250 4 0	6,045 5 1	...	84 0 0	84 0 0	...	6,129 8 1	
...	12 0 0	7,853 11 6	9,790 12 0	...	579 0 0	579 0 0	...	10,369 12 0	
...	500 0 0	10,873 8 8	16,909 5 2	...	436 0 0	436 0 0	2,957 0 10	20,301 12 0	
...	...	7,082 12 5	12,420 13 2	...	...	...	68 13 0	12,903 15 8	
...	...	4,263 15 6	4,384 0 8	...	383 3 8	383 3 0	...	4,829 4 3	
...	...	4,283 5 9	12,024 0 9	...	200 8 0	200 8 0	45 14 0	13,341 5 3	
...	...	5,195 11 2	6,449 5 2	...	290 0 0	290 0 0	...	7,969 2 4	
...	...	2,478 10 8	2,478 10 8	...	...	...	...	3,806 6 4	
...	...	3,322 14 0	6,503 15 5	...	442 2 1	442 2 1	12 14 0	6,959 15 0	
...	...	3,207 0 8	3,207 0 0	...	...	...	...	4,917 10 3	
...	...	1,380 0 10	1,701 15 1	...	60 0 0	60 0 0	...	1,851 15 1	
...	...	3,200 0 0	3,578 7 0	...	705 0 0	705 0 0	...	5,372 6 6	
...	...	473 0 0	473 0 0	...	...	...	...	1,825 8 11	
...	...	3,405 14 1	3,405 14 1	...	60 0 0	60 0 0	...	3,464 14 1	
...	...	1,438 2 6	1,438 2 0	...	281 13 7	281 13 7	...	1,720 0 1	
...	...	3,668 2 3	3,609 2 3	...	176 0 0	175 0 0	...	1,375 6 10	
...	...	...	...	...	180 6 0	180 6 0	13 4 9	3,874 0 0	
...	...	11,471 8 9	11,471 8 0	...	...	...	...	11,471 8 0	
...	...	8,027 8 6	8,027 8 0	...	...	...	...	8,027 8 0	
...	...	3,620 11 0	3,770 5 3	...	120 0 0	120 0 0	26 0 0	3,916 5 3	
...	...	6,650 11 0	8,050 11 0	...	147 0 0	147 0 0	...	6,797 11 0	
...	...	3,760 7 3	4,070 7 9	...	502 11 10	502 11 10	12 0 0	4,585 3 7	
...	...	...	1,208 1 2	...	...	...	...	1,208 1 2	
...	...	957 10 9	957 10 9	...	50 0 0	58 0 0	...	1,013 10 9	
...	...	13 4 6	1,050 2 8	...	230 5 3	230 5 3	653 6 3	2,823 13 9	
100 0 0	1,089 12 0	2,23,578 7 4	3,25,771 8 8	...	12,301 8 0	12,301 8 0	6,412 10 0	3,81,083 6 10	

Cess Act is in force.

F. R. BOYCE,

Controller of Public Works Accounts, Bengal.